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DEC 10 2010

DEPARTMENT OF
WATER RESOURCES

P.O. Box 2341
Idaho Falls, ID 83403-2341
December 6, 2010

Ms. Michele Edl
State of Idaho
Department of Water Resources
322 East Front Street
P.O. Box 83720
Boise, ID 83720-0098

RE: Permit No. 72-7536

Dear Ms. Edl:

In response to your letter of November 30, 2010, the following information is being submitted for Permit No. 72-7536.

1. Confirmation for the locations of the wells – The approximate well locations are shown on the enclosed aerial photo. The drilling permit numbers are:
 - Drilling Permit No. 72-96-S-0036-000
 - Drilling Permit No. 72-96-S-0038-000
 - Drilling Permit No. 72-96-S-0035-000
2. Confirmation of the irrigation place-of-use – The irrigation place of use as shown on the enclosed aerial photo is correct.
3. Design Records or operation data for the pivot and/or pumps -
 - Valley pivot – 4 x 140 ft spans 6-5/8" pipe with 18 ft overhang – 578 ft total pipe length
 - Valley 20 psi drops, sprays, regulators
 - 2 hp pump with SR-100 end gun
 - Goulds 5CLC01064CTB 52972 10 HP pump – pump curve enclosed (1 page)
 - Goulds 80GS 75434 7-1/2 HP pump – pump curve enclosed (2 pages)
 - From pivot dealer - Elevation change from wells to pivot point is 32.76 ft
 - Wells associated with Drilling Permit No. 72-96-S-0036-000 and Drilling Permit No. 72-96-S-0038-000 are connected to the mainline supplying water to the pivot.

Sincerely,

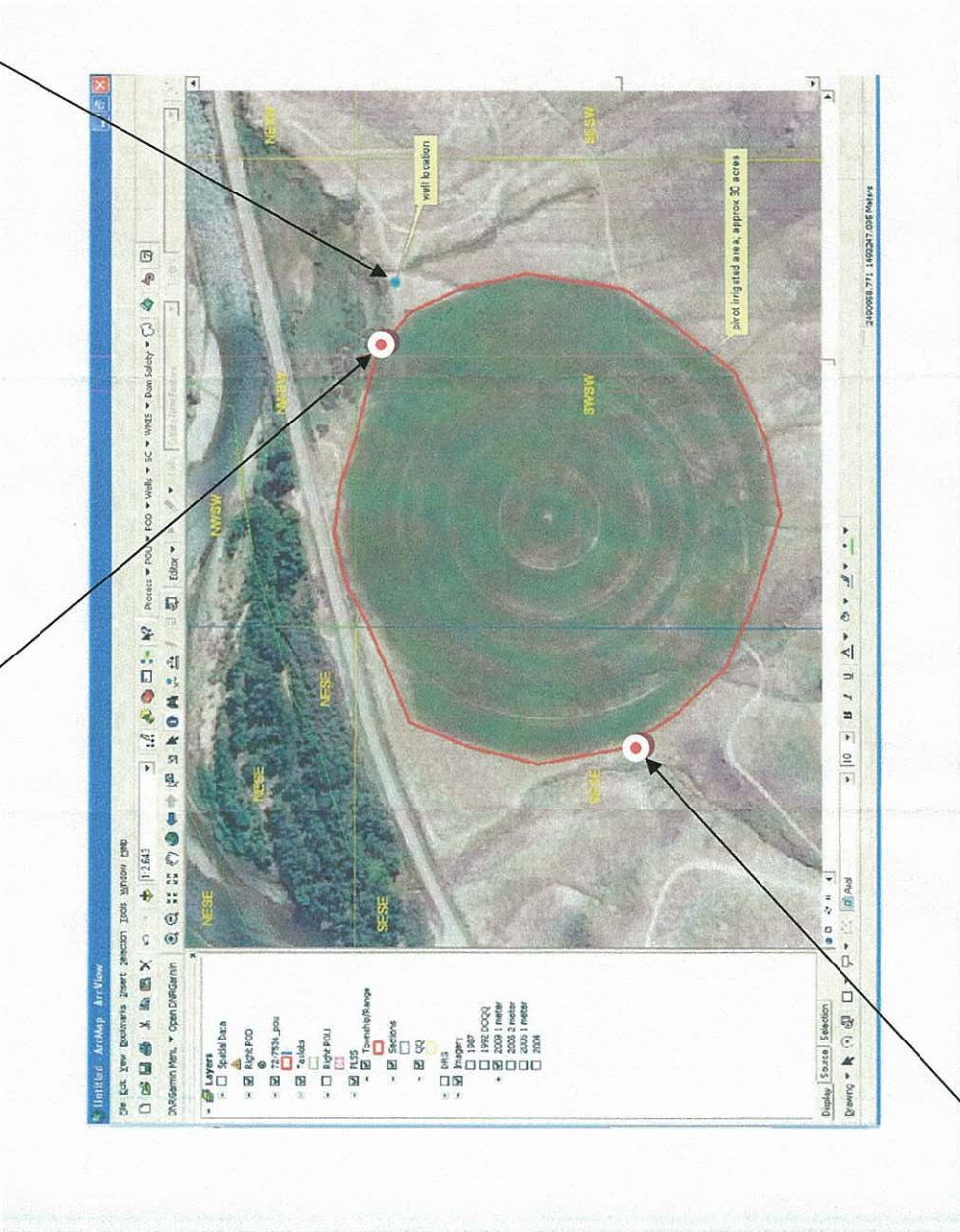


George E. Santee

Enclosures: As noted.

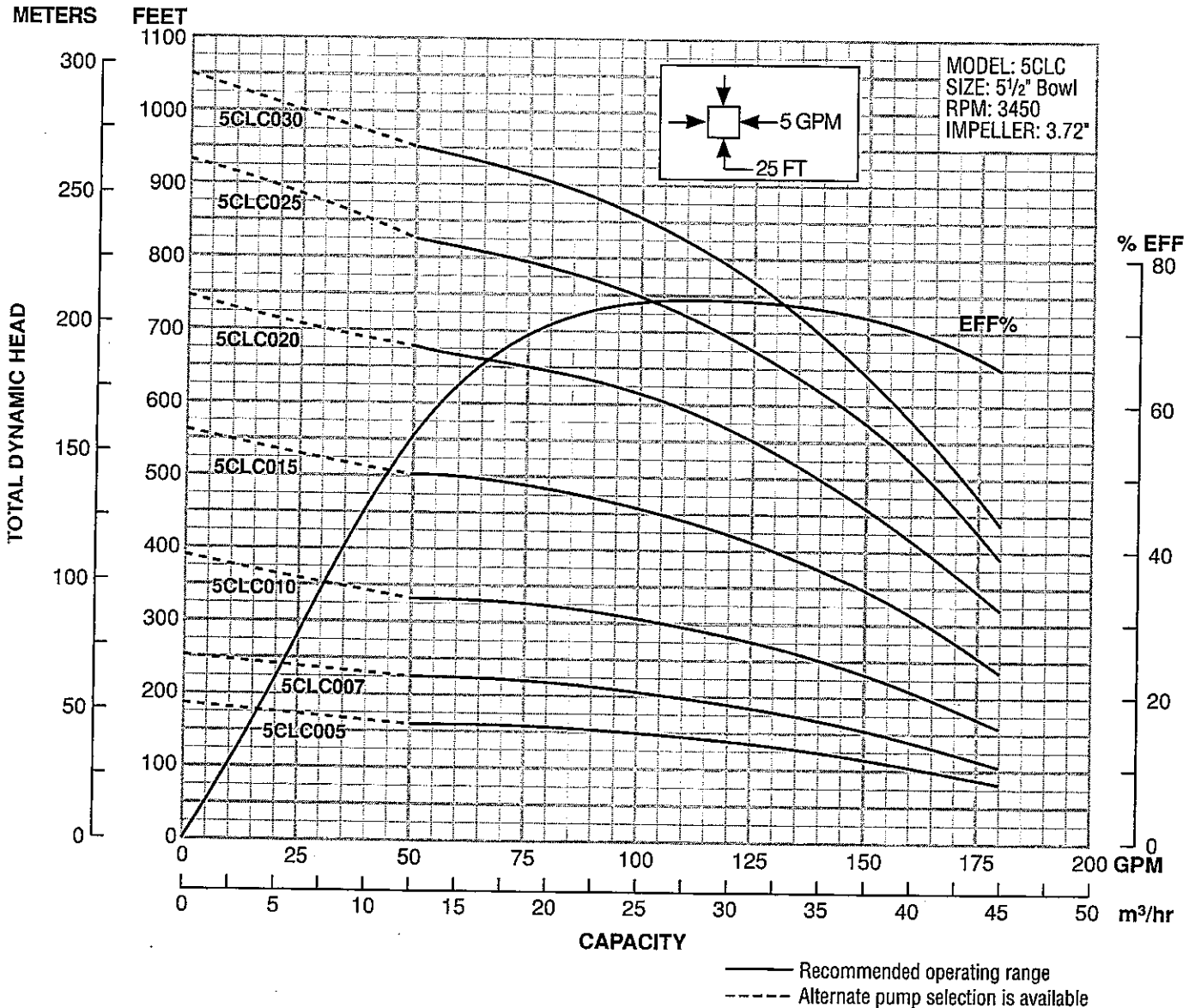
Drilling Permit No. 72-96-S-0038-0000
Goulds 80GS 75434 7-1/2 HP pump
Connected to pivot

Drilling Permit No. 72-96-S-0036-0000
Goulds 5CLC01064CTB 52972 10 HP
pump



Well locations are approximate.

Drilling Permit No. 72-96-S-0035-000



DIMENSIONS AND WEIGHTS

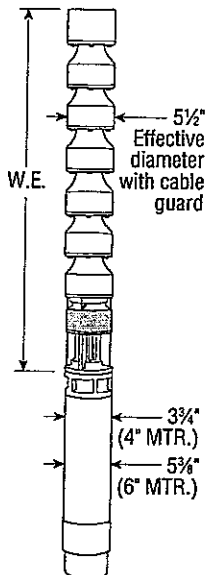
#P	Stages	W.E. Order Number	W.E. Length	W.E. Wt. (lbs.)
3		5CLC00544CTB	25 1/8	73
4		5CLC00564CTB	28 1/8	75
6		5CLC00744CTB	30 3/8	86
6		5CLC00764CTB	32 13/16	88
9		5CLC01064CTB	42 27/64	114
12		5CLC01564CTB	56 33/64	153
15		5CLC02064CTB	71 1/2	192
17		5CLC02564CTB	85 5/8	231
17		5CLC03064CTB	95 1/4	257

Dimensions in inches and weights in lbs. Do not use for construction purposes.)

NOTE:

- motors separately.
- intermediate horsepower pumps consult factory.
- is recommended operating range. The dotted
- signifies an alternate pump selection is available.
- specify all options changes in W.E. order number.

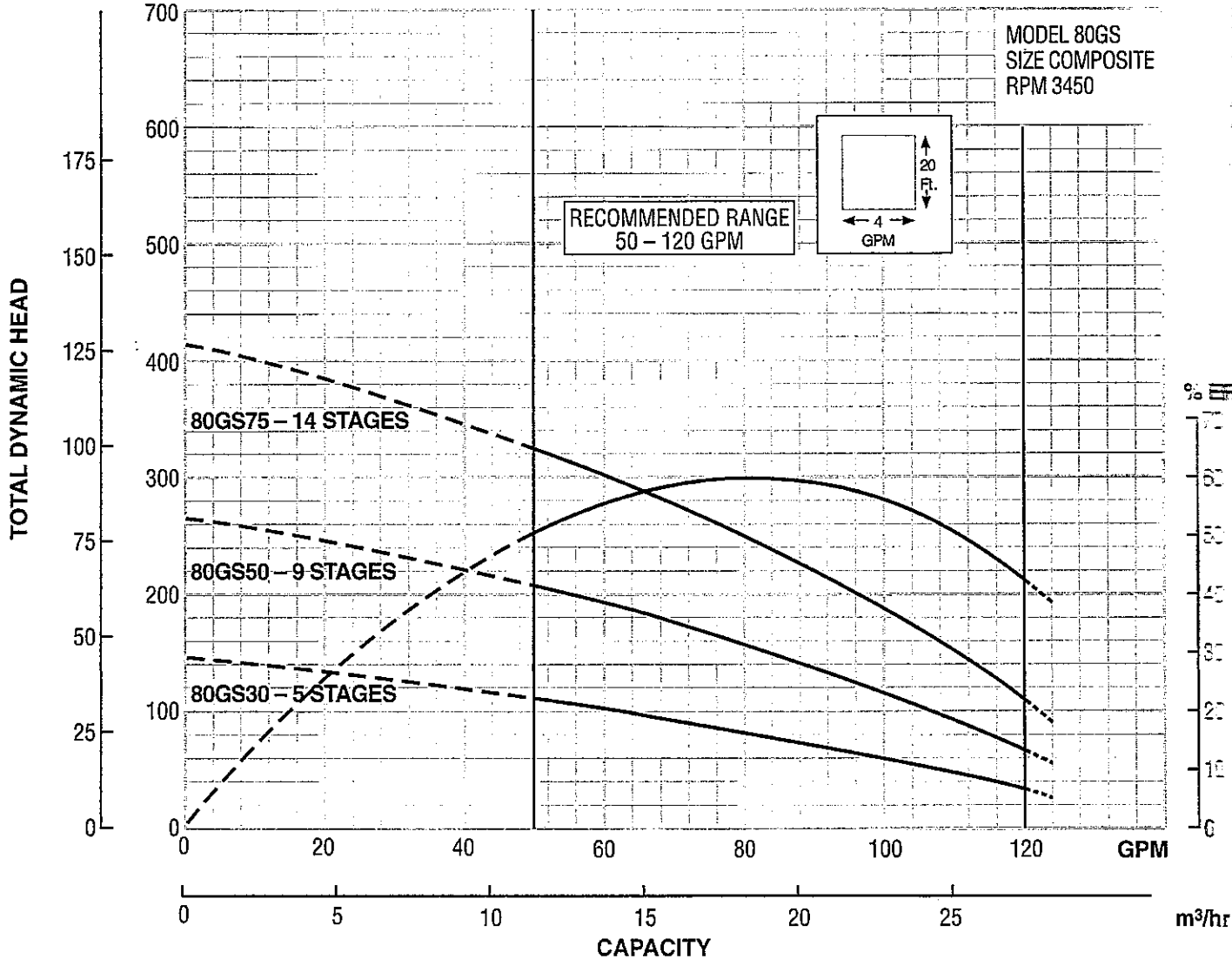
4" NPT DISCHARGE CONNECTION



MATERIALS OF CONSTRUCTION

Part Name	Material
Shaft	ASTM A582 TYPE 416
Coupling	ASTM A582 S41600 CD
Suction Adapter	ASTM A48 CL 40
Discharge Bowl	ASTM A48 CL 30B
Bronze Bearings	ASTM B584
Discharge Bowl Bearing	ASTM B584
Taperlocks	ASTM A108 GR 101B
Bowl	ASTM A48 CL 30B
Upthrust Collar	ASTM A276 S41400
Impeller	ASTM B584
Fasteners	SAE J429 GR 8
Cable Guard	ASTM A240 S 30400
Suction Strainer	ASTM A240 S 30400

METERS FEET

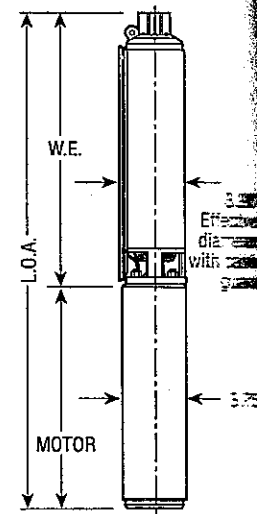


DIMENSIONS AND WEIGHTS

Model	HP	Phase	Stages	Length (inches)			Weight (lbs.)		
				W.E.①	Motor	L.O.A.②	W.E.	Motor	Total
80GS30412	3	1	5	21.4	23.5	44.9	9.9	52.0	61.9
80GS30432, 34	3	3	5	21.4	20.6	42.0	9.9	43.0	52.9
80GS50412	5	1	9	29.4	29.5	58.9	12.9	69.0	81.9
80GS50432, 34	5	3	9	29.4	23.6	53.0	12.9	53.0	65.9
80GS75432, 34	7½	3	14	42.8	29.6	72.4	17.9	66.0	83.9

① W.E. = water end or pump without motor.

② L.O.A. = length of assembly - complete pump - water end and motor.



SELECTION CHART

Horsepower Range 3 – 7½, Recommended Range 50 – 120 GPM, 60 Hz, 3450 RPM

Pump Model	HP	PSI	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																							
			20	40	60	80	100	120	140	160	180	200	240	260	280	300	340	360	380	400	440	460	480	500	540	560
80GS30	3	0		114	100	84	64																			
		20	94	77	56																					
		30	74	52																						
		40	50																							
		50																								
		60																								
Shut-off PSI			54	45	36	28	19																			
80GS50	5	0				114	106	98	89	79	68	55														
		20		112	104	96	87	76	66	50																
		30	110	102	94	85	74	62																		
		40	100	92	84	72	61																			
		50	90	83	71	57																				
		60	81	70	54																					
Shut-off PSI			106	97	88	80	71	62	54	45	36	28														
80GS75	7½	0						117	112	107	102	96	83	76	69	61										
		20				116	111	106	100	94	88	82	67	59	50											
		30			115	110	105	99	93	87	81	73	57													
		40		114	109	104	98	92	86	80	72	65														
		50	113	108	103	97	91	85	79	71	64	55														
		60	107.5	102.5	96.5	90	84	78	70	63	53															
Shut-off PSI			168	160	151	142	134	125	116	108	99	90	73	64	56	47										