



Abbreviated 156 Farm Record

Operator Name : MIGUEL PATRICK
 Farms Associated with Operator : 31-101-2170, 31-135-3253
 CRP Contract Number(s) : None

Farm Land Data

Farmland	Cropland	DCP Cropland	WBP	WRP	CRP	GRP	Sugarcane	Farm Status	Number Of Tracts
156.43	155.73	155.73	0.00	0.00	0.00	0.00	0.00	Active	1
State Conservation	Other Conservation	Effective DCP Cropland	Double Cropped		MPL	Acre Election	EWP	DCP Ag. Related Activity	
0.00	0.00	155.73	0.00		0.00	No	0.00	0.00	

Crop Election Choice

ARC Individual	ARC County	Price Loss Coverage
None	WHEAT, CORN	None

DCP Crop Data

Crop Name	Base Acres	CCC-505 CRP Reduction Acres	CTAP Yield	PLC Yield	HIP
Wheat	19.50	0.00	0	47	
Corn	125.70	0.00	0	169	100
TOTAL	145.20	0.00			

NOTES

Updated OT per lease in folder. bag

Tract Number : 5288
 Description : Sec 8-12-39
 BIA Unit Range Number :
 HEL Status : NHEL: No agricultural commodity planted on undetermined fields
 Wetland Status : Tract does not contain a wetland
 WL Violations : None
 Owners : JAN KRAUS
 Other Producers : None

Tract Land Data

Farm Land	Cropland	DCP Cropland	WBP	WRP	CRP	GRP	Sugarcane
156.43	155.73	155.73	0.00	0.00	0.00	0.00	0.00
State Conservation	Other Conservation	Effective DCP Cropland	Double Cropped	MPL	EWP	DCP Ag. Related Activity	
0.00	0.00	155.73	0.00	0.00	0.00	0.00	

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NOTES



SARGENT IRRIGATION CO.

Efficiency Test Report

POWER UNIT

Name Jan Kraus Address _____ Legal NW 8-12-39 Keith Co.

Latitude: 41 ° 01 ' 54.5 " Longitude: 101 ° 48 ' 11.8 "

Elevation _____ Date 10/1/2018

Well Depth: _____ Casing Dia: _____ Yr.Inst.: _____ Bowls: 6-11SC
 Pump Mfg. WLR SN: GR02B075 Col: 370 ft. 10 3/4 x 2 1/2 x 1 1/2
 Drive Mfg.: Randolph HP: G-200 SN: 155122 Ratio: 1-1
 Sprinkler: Zimmatic Type: _____ Nozzled for: _____ GPM@ _____ PSI: _____
 Static Water Level: 228

	Pump RPM	PSI	x	2.31	=	ft.	+	Pumping Level	+	Pump Loss	=	Total Hd. Ft	x	Flow GPM	/	3960	=	Water HP
1	1907	28	x	2.31	=	64.68	+	253	+	2.3	=	320	x	732	/	3960	=	59.2
2	1787	22	x	2.31	=	50.82	+	250	+	1.9	=	302.7	x	661	/	3960	=	50.5
3			x	2.31	=	0	+		+		=		x		/	3960	=	

Torque Meter:

	In. Lbs.	X	RPM	/	63.025	=	H. P.
1	4084	X	1907	/	63.025	=	123.6
2	3576	X	1787	/	63.025	=	101.4
3	0	X	0	/	63.025	=	0.0

Pump Efficiency:

	Water HP	/	Pump HP	=	Pump Efficiency
1	59.2	/	123.6	=	47.9 %
2	50.5	/	101.4	=	49.8 %
3	0	/	0	=	0 %

Bowl Efficiency:

	Pump HP	-	Lineshaft Loss	=	Bowl HP	Water HP	-	Bowl HP	=	Efficiency
1	123.6	-	4.4	=	111.8	59.2	-	111.8	=	53.0
2	101.4	-	4.4	=	90.9	50.5	-	90.9	=	55.6
3	0	-		=			-		=	

Comments:

*Pivot powered by electricity * Psi at well
 Pump sounds ok/no vibration Gearhead sounds ok/no vibration
 Approx. 1500' of 8" underground (down hill)
 #1 Test - (where customer runs) pivot on, end gun on) #2 Test - (ran pump rpm at 1787) pivot on, end gun on)
 Test indicates well is pumping gravel. Water sample was brought back. Suspected hole or holes in casing.