

- - - LOG CALCULATION-SANI

WELL NAME_____ FRED 23-15
 OPERATOR_____ FRED'S OIL
 1/4 1/4 SEC____ SESW 36
 TWP RGE_____ 51N-76N

CONSTANTS & INPUTS

SYMBOL	DESCRIPTION	INPUT VALUE	DEFLT VALUE
Rw=	H2O RESIST	0.12	
a=		0.81	0.81
M=		2.00	2.00
N=		2.00	2.00
A=	DRAINAGE AREA	80	
Pi=	INIT PRESS	4750	
Pa=	SPEC'D PRESS	4000	
Pdp=	DEW PT PRESS	4640	
Pab=	ABND PRESS	1000	1000
Zi=	Z @ Pi	1.0014	
Za=	Z @ P1	0.9563	
Zdp=	Z @ Pdp	0.9942	
Zab=	Z @ Pab	0.9334	
BGi=	BG @ Pi	0.0042	
BGa=	BG @ Pa	0.0048	
BGdp=	BG @ Pdp	0.0043	
BGab=	BG @ Pab	0.0187	
API=	GRAV OF OIL	50	
SGo=	SG OIL-H2O=1	0.779	
MWo=	MOL WT OIL	138.0	
SGg=	SG GAS-AIR=1	0.76	
SGrf=	SG RES FLUID	0.93	
MWrf=	MW RES FLUID	27.00	
Fg=	MOL FRAC GAS	0.9570	
T=	RES TEMP	250	
Tc=	CRIT TEMP	392	
Pc=	CRIT PRESS	666	

	RSI=	INIT GOR		16700	
		KBel= KELLY BUSH EL		5289	
-	-	-	-	-	-
=	=	=	=	=	=
			TOP OF		
			INTRVL	DENS	NEUT
	---INTERVAL---		SUBSEA	POROS	POROS
	TO	FROM	EL-FT	PCT	PCT
-	-	-	-	-	-
				22.00	24.00
				10.00	10.00
-	-	-	-	-	-
		9928	9930	4639	15.00
		9930	9932	4641	16.00
		9932	9934	4643	15.00
		9934	9936	4645	15.00
		9936	9938	4647	17.00
		9938	9940	4649	14.50
		9940	9942	4651	14.50
		9942	9944	4653	
		9944	9946	4655	
		9946	9948	4657	
		9948	9950	4659	
		9950	9952	4661	
		9952	9954	4663	
		9954	9956	4665	
		9956	9958	4667	
-	-	-	-	-	-
				15.29	15.29
=	=	=	=	=	=
=	=	=	=	=	=

	---INTERVAL---		HYCRB PORE SPACE MMSCF	INIT GAS IN PLACE MMSCF	CALC GAS RECOV %
	TO	FROM			
-	-	-	-	-	-
	9928	9930	0.52	117.4	77.66
	9930	9932	0.59	133.1	77.66
	9932	9934	0.50	113.4	77.66
	9934	9936	0.62	140.5	77.66
	9936	9938	0.90	204.1	77.66
	9938	9940	0.71	160.2	77.66
	9940	9942	0.61	138.2	77.66
	9942	9944	0.00	0.0	0.00
	9944	9946	0.00	0.0	0.00
	9946	9948	0.00	0.0	0.00
	9948	9950	0.00	0.0	0.00
	9950	9952	0.00	0.0	0.00
	9952	9954	0.00	0.0	0.00
	9954	9956	0.00	0.0	0.00
	9956	9958	0.00	0.0	0.00
-	-	-	-	-	-
	TOTAL		4.45	1007	77.66
	AVERAGE/AFT		0.00	0.899	
=	=	=	=	=	=

DSTONE-GAS/CONDENSATE-----

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FORMATION_____
FIELD_____
AREA_____
CTY,STATE_____

MUDDY
AMOS DRAW
AMOS DRAW
CAMPBELL,WYO

PAY PARAMETERS

-	-	-	-	-	-
UNITS					
-	-	-	-	-	-
OHMS			MAXIMUM VOL SHALE-%		
			MAXIMUM WATER SAT-%		
			MINIMUM XPLOT POR-%		
	-	-	-	-	-
ACRS					
PSIA					
PSIA					
PSIA					
PSIA					P/Z AND RES
NONE	-	-	-	-	-
NONE					
NONE			PRESS		
NONE			PSIA	Z	P/Z
RCF/SCF	-	-	-	-	-
RCF/SCF			4750	1.00135	4744
RCF/SCF			4000	0.95626	4183
RCF/SCF			4640	0.99424	4667
DEG API			1000	0.93339	1071
NONE	-	-	-	-	-
#/M					
NONE					
NONE					
#/M					
NONE					
DEG F					
DEG R					
PSIA					

CF/B	-	-	-
FT EL			h= 14
-			Ah= 1120
	-	-	-

APRNT	SONIC	XPLOT	RT	GAMMA	VOL
NEUT	POROS	POROS	OHMS	API	SHALE
POROS	PCT	PCT			PCT
PCT					
-	-	-	-	-	-
65.63		23.07		20	
48.12		10.00	2.2	100	
-	-	-	-	-	-
57.70		15.00	24	45	31
59.04		16.00	25	42	28
57.70		15.00	23	47	34
57.70		15.00	35	35	19
60.23		17.00	70	23	4
56.97		14.50	80	30	13
56.97		14.50	60	40	25
0.82		0.00			0
0.82		0.00			0
0.82		0.00			0
0.82		0.00			0
0.82		0.00			0
0.82		0.00			0
0.82		0.00			0
0.82		0.00			0
-	-	-	-	-	-
	#DIV/0!	15.29	45	37	22
=	=	=	=	=	=
=	=	=	=	=	=

PRIM GAS RECOV MMCF	INIT OIL IN PLACE MSTB	CALC OIL RECOV %	PRIM OIL RECOV MSTB	PAY? 1=YES 0=NO
-	-	-	-	-
91.15	7.03	77.66	5.46	1
103.37	7.97	77.66	6.19	1
88.06	6.79	77.66	5.27	1
109.14	8.42	77.66	6.54	1
158.51	12.22	77.66	9.49	1
124.40	9.59	77.66	7.45	1
107.34	8.28	77.66	6.43	1
0.00	0.00	0.00	0.00	0
0.00	0.00	0.00	0.00	0
0.00	0.00	0.00	0.00	0
0.00	0.00	0.00	0.00	0
0.00	0.00	0.00	0.00	0
0.00	0.00	0.00	0.00	0
0.00	0.00	0.00	0.00	0
0.00	0.00	0.00	0.00	0
-	-	-	-	-
781.96	60.30	77.66	46.82	7
0.698	0.054		0.042	
=	=	=	=	=

INPUT VALUE	DEFLT VALUE
40	40
45	45
10	10

ERVE DATA

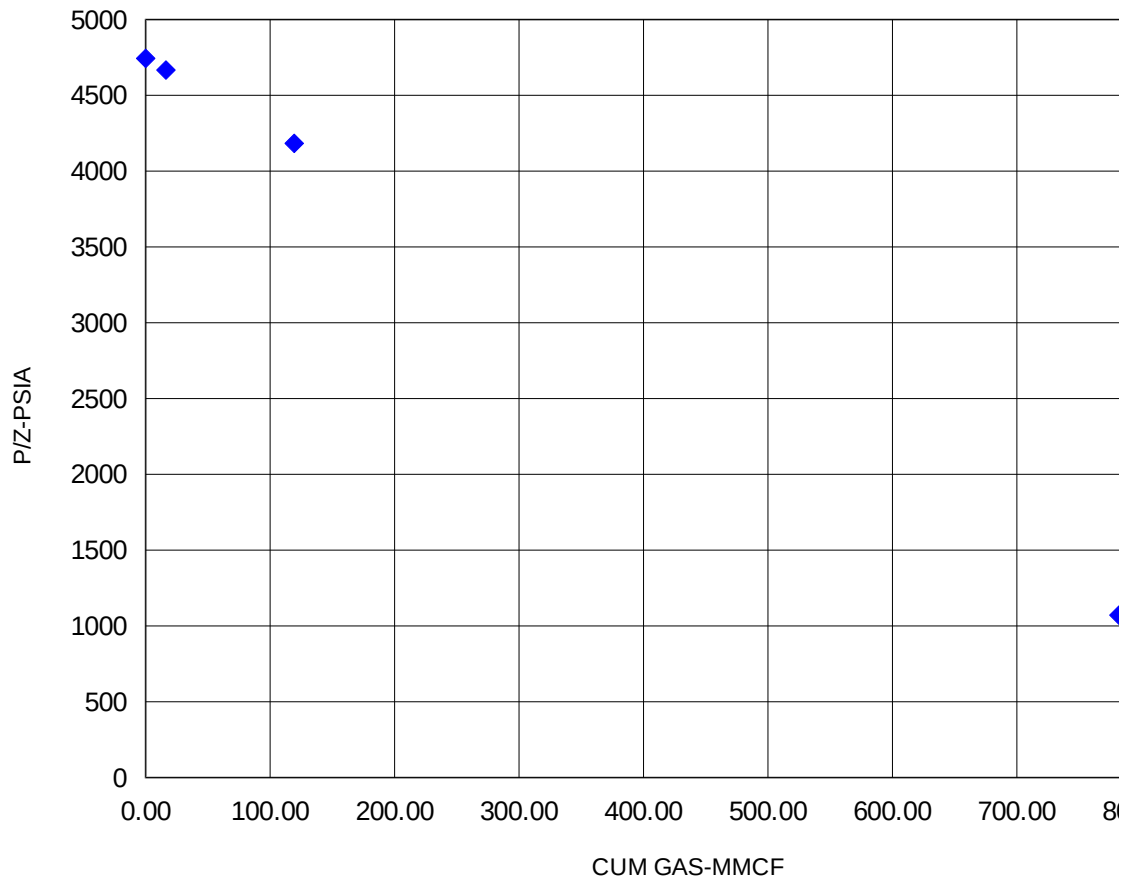
CUM GAS MMCF	PCT IGIP RECOV	CUM OIL MBO	PCT IOIP RECOV
0.00	0.00	0.00	0.00
119.38	11.86	7.15	11.86
16.34	1.62	0.98	1.62
781.96	77.66	46.82	77.66

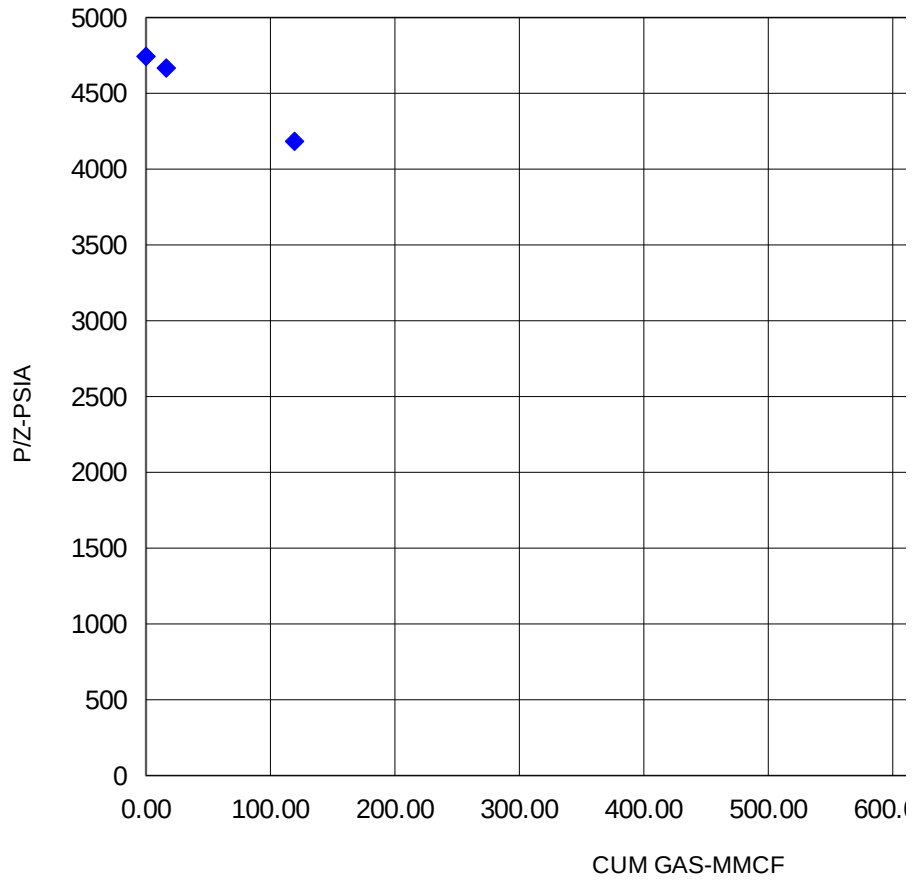
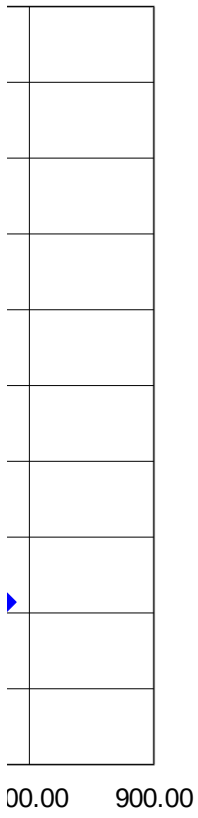
- |
 FT PAY |
 ACRFT |
 - |

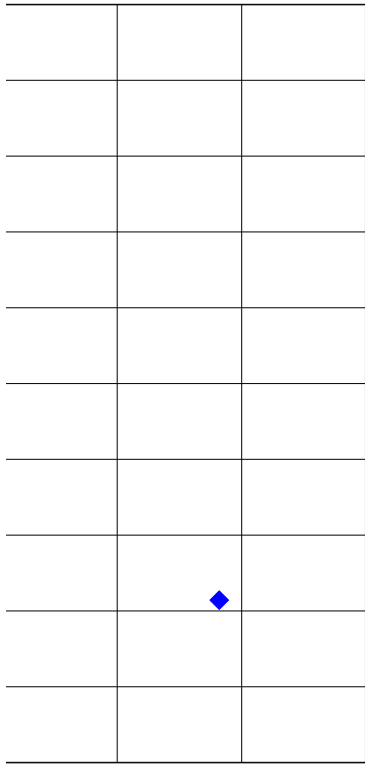
=	=	=	=	=
	Q	CALC	CORE	
	PLOT	H2O	H2O	K
	PCT	SAT	SAT	PERM
		PCT	PCT	MD
-	-	-	-	-
				CORE
-	-	-	-	-
	999	28		
	999	27		
	999	28		
	999	27		
	999	21		
	999	20		
	999	19		
	999	0		
	999	0		
	999	0		
	999	0		
	999	0		
	999	0		
	999	0		
-	-	-	-	-
		24	0	#DIV/0!
=	=	=	=	=

= |
 = |
 = |

	POR*H	K*H
	%FT	MdFT
-	-	-
	30	0
	32	0
	30	0
	30	0
	34	0
	29	0
	29	0
	0	0
	0	0
	0	0
	0	0
	0	0
	0	0
	0	0
	0	0
	0	0
-	-	-
	214	0
=	=	=







00 700.00 800.00 900.00