

VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:

Lease Name: SEMU NO. 84

No: 12

TD: 6625'

AFE: 8754

Date: 11/16/1999

PBTD: 5605'

Amnt: 93,000

Casing: 5 5/8 @ 1243', 5 1/2 @ 6625'

Perforations: Eumont: 3540'-3550', 3607'-3613', 3634'-3638',
Blinberry: 5691', 97, 5703', 14', 25', 34', 49', 58', 60', 66',
Tubb: 6477', 80', 90', 92', 98', 6500', 09', 17',

Objective: Recomplete in the Eumont

Present Operation: RIH w/production equipment

Operation Summary:

(Tbg 130, csg 150) - Pump 20 bbls 2% KCL water down csg, 20 down tbg to kill well - Pooh w/2 3/8 tbg- Dump 5 gal Champion corrosion chemical down csg - RIH w/110 jts 2 3/8 production tbg w/TAC set @ 3398.60', 9 jts 2 3/8 tbg w/ SN set @ 3674.06', Total of 119 jts 2 3/8 tbg w/5.15' SOPMA set @ 3679.21'

NDBOP - Dump 5 gal Champion corrosion chemical down tbg - RIH w/2 x 1.5 RHBC 12-3 (type B) pump, 2 -1.5" K-bars w/1- 7/8" x 30" stabilizer between them, 2 - 3/4 rods w/4 rod guides each, 141 class C rods, 8'- 6' 3/4 subs, 1 1/2" x 22' PR - Hang well on space out - Load & test - RDMO

Daily Cost Item:	Amount:
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Pool Well Service	1,462
Pool Trucking	692
Daily Cost:	2,154

Previous Cost:	105,533
Cumulative Cost:	107,687

Load Oil:	Load Water:
Used: 0.0	Used: 40.0
Rec. daily: 0.0	Rec. daily: 0.0
Cum. rec: 0.0	Cum. rec: 152.0
Left to rec: 0.0	Left to rec: 592.0

Rig Hrs: 9	Cum: 118.8
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Personnel:	Company: 1
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Rig: 4	Total: 6
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SEMU #084 (KBK - 11/29/99)

API No.	30025206540000
Spud	8/5/1964
Completion	9/23/1964
Abandoned	
Frm. Prod.	452TUBB
Well No.	84
Field	MONUMENT
Init. Well Class.	development well
Status	2 OIL
Permit	
RR	
Last Act.	
TD	6625.0 RKB
PBTD	5605.0 RKB
Operator	CONTINENTAL OIL
Permit No.	
District	
Final Well Class.	
Frm. at TD	multiple completion, oil

Elevations

KB-Grd	12.0 ft
Grd	3540.0 ft
Tub Head	0.0 ft
KB	3552.0 ft
Cas Fing	0.0 ft

Bore Hole Data

Size (in)	Depth (ftKB)
12.2500	1237.0
6.5000	6625.0

Casing String - Surface Casing

Grd	Item (in)	Btm (ftKB)	Comments	ID	Thd	Jnts	Wt
	8.6300 in Surface Casing	1243.0		8.1000			24.00

Casing String - Production Casing

Grd	Item (in)	Btm (ftKB)	Comments	ID	Thd	Jnts	Wt
	5.5000 in Production Casing	5377.0		5.0100		162	14.00
	5.5000 in Production Casing	6625.0		4.9500		39	15.50

Casing Cement

Amount (sx)	Comments	Casing String	Top (ftKB)
265		Surface Casing	0.0
435	Found top of cement w/Cement Bond Log run on 11/05/99	Production Casing	3040.0

Perforations

Int	Shots (/ft)	Comments	Type	Date
5691.0 - 5691.0	1.0		Jet perforation	
5697.0 - 5697.0	1.0		Jet perforation	
5703.0 - 5703.0	1.0		Jet perforation	
5714.0 - 5714.0	1.0		Jet perforation	
5725.0 - 5725.0	1.0		Jet perforation	
5734.0 - 5734.0	1.0		Jet perforation	
5749.0 - 5749.0	1.0		Jet perforation	
5758.0 - 5758.0	1.0		Jet perforation	
5760.0 - 5760.0	1.0		Jet perforation	
5766.0 - 5766.0	1.0		Jet perforation	
6477.0 - 6477.0	1.0		Jet perforation	
6480.0 - 6480.0	1.0		Jet perforation	
6490.0 - 6490.0	1.0		Jet perforation	
6492.0 - 6492.0	1.0		Jet perforation	

Perforations (con't)

Int	Shots (/ft)	Comments	Type	Date
6498.0 - 6498.0	1.0		Jet perforation	
6500.0 - 6500.0	1.0		Jet perforation	
6509.0 - 6509.0	1.0		Jet perforation	
6517.0 - 6517.0	1.0		Jet perforation	
3540.0 - 3550.0	1.0		Jet perforation	11/8/1999
3607.0 - 3613.0	1.0		Jet perforation	11/8/1999
3634.0 - 3638.0	1.0		Jet perforation	11/8/1999

Stimulations & Treatments

Int	Zone	Comments	Type	Date	Fluid
3540.0 - 3638.0	Eumont	Preformed Binary Frac w/146,000# 12/20 Ottawa sand	Binary Frac	11/10/1999	XLFC-1 Frac Fluid

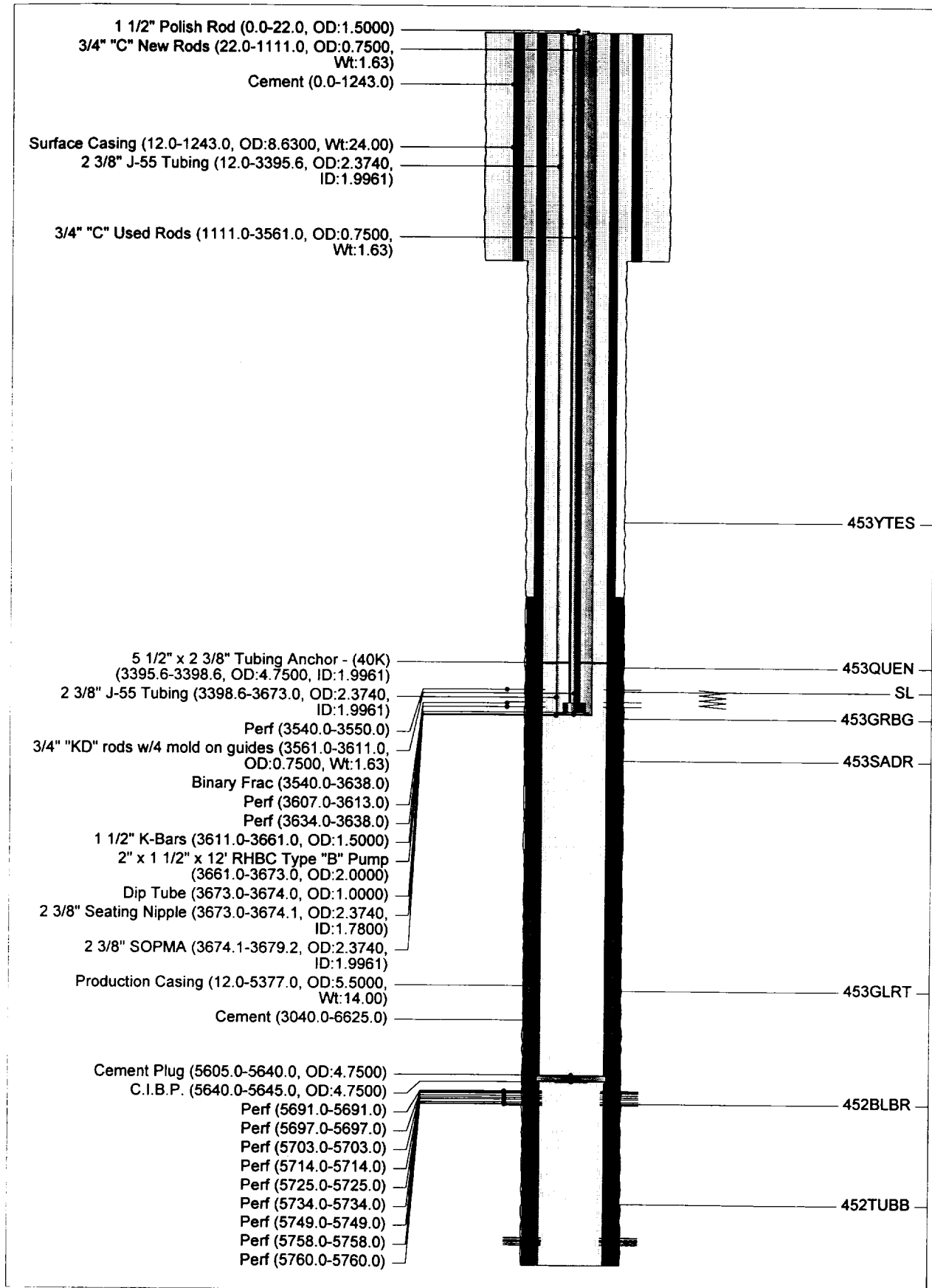
Tubing String - Primary Tubing

Grd	Item (in)	Comments	ID (in)	Thd	Jnts	Len (ft)	Top (ftKB)	Wt
J-55	2.3740 in 2 3/8" J-55 Tubing		1.9961	8rd.	110	3383.6	12.0	4.70
	4.7500 in 5 1/2" x 2 3/8" Tubing Anchor - (40K)		1.9961	8rd.	1	3.0	3395.6	0.00
J-55	2.3740 in 2 3/8" J-55 Tubing		1.9961	8rd.	9	274.4	3398.6	4.70
	2.3740 in 2 3/8" Seating Nipple		1.7800	8rd.	1	1.1	3673.0	0.00
J-55	2.3740 in 2 3/8" SOPMA		1.9961	8rd.	1	5.1	3674.1	4.70

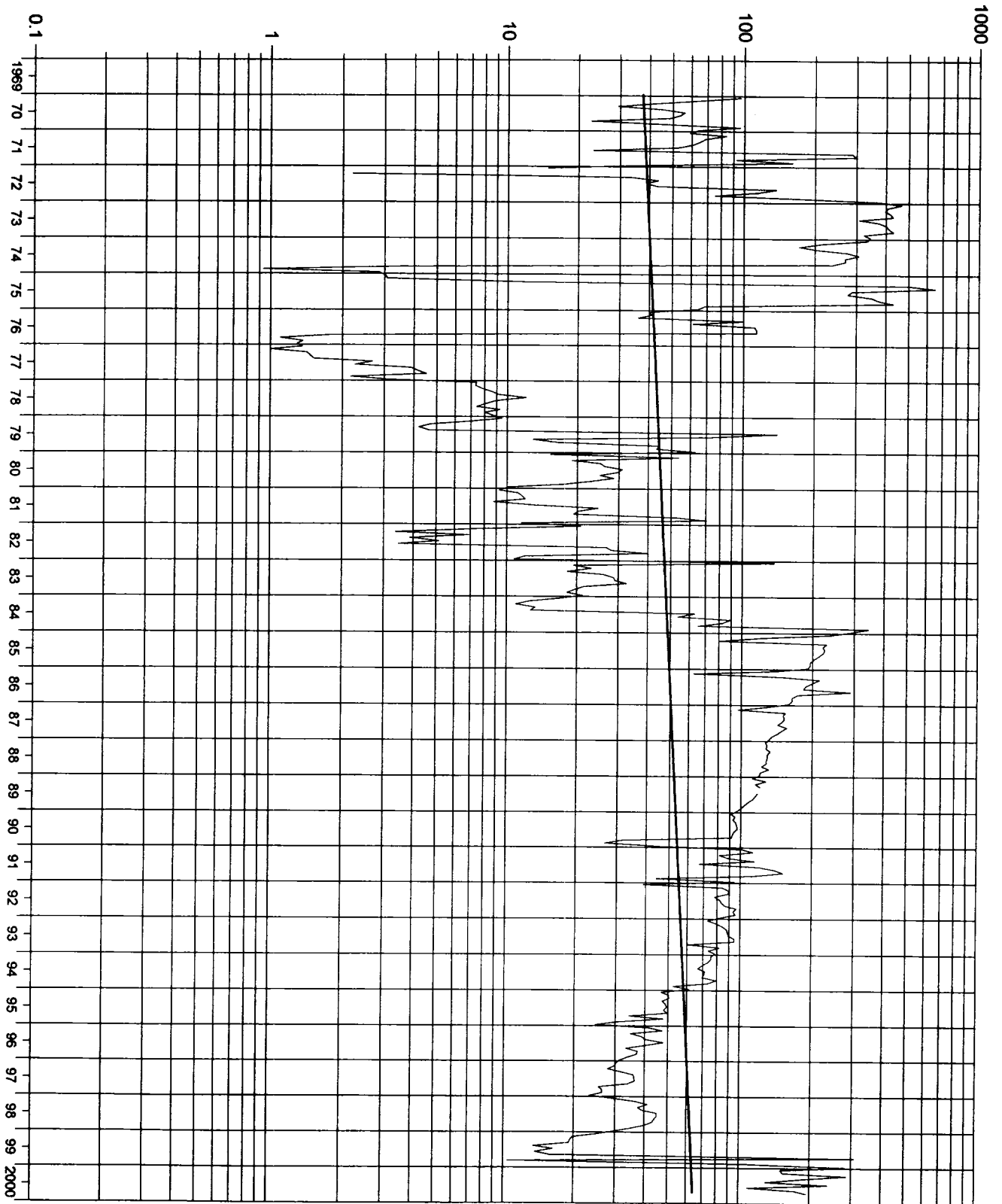
Rod String - 3/4" Rod String

Type	Comments	Size (in)	No.	Len (ft)	Top (ftKB)
1 1/2" Polish Rod		1.5000	1	22.0	0.0
3/4" "C" New Rods	Used 3/4" "C" rods installed 11/16/99	0.7500	43	1089.0	22.0
3/4" "C" Used Rods	43 new 3/4" "C" rods installed on 11/16/99	0.7500	98	2450.0	1111.0
3/4" "KD" rods w/4 mold on guides		0.7500	2	50.0	3561.0
1 1/2" K-Bars		1.5000	2	50.0	3611.0
2" x 1 1/2" x 12" RHBC Type "B" Pump		2.0000	1	12.0	3661.0
Dip Tube		1.0000	1	1.0	3673.0

Completions & Workovers			
Reason for Workover	Reason for Failure	Date	Summary
Eumont Re-Completion	Re-completion	11/3/1999	Eumont Re-Completion - MIRU - Unseated pump - POOH and laid down all rods - Removed well head and installed BOP - Tested BOP as per Conoco SOP - (All tests held) - POOH w/2 3/8" tubing - Picked up and RIH w/5 1/2" Casing Scraper to 5,650' - Rigged up Scan-A-Log - POOH inspecting tubing - (60 jts. yellow band - 137 jts. blue band - 15 jts. green band) - (Stood back 3,756' of 2 3/8" tubing) - Rigged down Scan-A-Log - Rigged up wireline - RIH w/5 1/2" CIBP - (Did not tag fluid) - Set CIBP @ 5,640' - POOH - RIH and spotted 35' of cement on top of CIBP w/bailer - Rigged up pump truck to backside - Rigged up wireline - RIH and ran cement bond log from 4,100' to 2,100' - Logged 500' w/0# pressure - Dropped back down and logged w/1,000# on casing - (Top of cement @ 3,040' - Good cement from 3,40' to 4,100') - Rigged down wireline - Closed Blind Rams and pressured up on casing - (Could not pressure up over 1,200#) - Closed valve and tested lines to 3,000# - (Held) - Pressured up on casing - (Could pump into @ 1 1/2 BPM @ 1,200#) - Picked up and RIH w/5 1/2" Packer - Set Packer @ 2,035' - (Could not hold pressure on tubing or casing) - Released Packer and dropped down and set Packer @ 3,062' - Pressured up to 2,000# below Packer - (Held) - Pumped 1 1/2 BPM @ 1,200# above Packer - Released Packer - Pulled up hole and set Packer @ 3,062' - Pressured up to 2,000# below Packer - (Held) - Pressured up to 1,200# above Packer - (Bled off to 900# and held) - Released Packer - POOH and laid down 2 3/8" tubing - (Moved tubing off location) - Hauled in and racked 3 1/2" workstring - Picked up and RIH w/3 1/2" workstring open ended to 3,729' - Rigged up BJ Services - Pickled tubing w/500 gals. of 15% HCL - Reversed out acid - Spotted 500 gals. of 15% HCL across perf. interval - Rigged down BJ Services - POOH w/tubing - Rigged up wireline - RIH and perf. w/4" HSC casing guns w/23 gram RDX charges - (0.40" hole dia. - 29" Pen.) - 1 JSPF @ 3,540'-3,550', 3,607'-3,613', and 3,634'-3,638' - Rigged down wireline - Rigged up Hydro-Test - Picked up and RIH w/5 1/2" PC-1 Packer to 3,750' - (Tested tubing to 7,000# below slips) - Rigged up pump truck to tubing - Loaded well w/6 bbls. of 2% KCL water - Closed casing valve and pumped 5 bbls. of 2% KCL water down tubing to displace acid - (1 BPM @ 500#) - Rigged down pump truck - Pulled up hole and set Packer @ 3,180' - (Set Packer w/22 pts. tension) - Rigged up Guardian Flange to tubing and landed tubing and flanged up to BOP - Rigged up BJ Services and Frac'd well as per procedure - ISIP = 1,870# - Opened up to flow on 12/64" positive choke to blow down tank - (Saw closure in 27 mins. - Tubing pressure = 1,257#) - Shut well in and bled down all lines - Rigged down BJ Services - Rigged testers back up to well - (850# on tubing) - Opened well up on 20/64" choke to blow down tank @ 2:00 P.M. - 6:00 A.M. 17# on tubing - Flowing 130 MCF - (20% CO2) - By-Passed separator and flowed well to tank - 7:00 A.M. - (3# on tubing) - Shut well in - (Recovered 74 bbls. of water during flow back) - MIRU - Moved in pipe racks - Rigged up pump truck and pumped 25 bbls. of 2% KCL water to kill well - Released Packer and POOH - Loaded out 3 1/2" Workstring - Unloaded and racked 2 3/8" Production Tubing - Picked up and started RIH w/2 3/8" Notched Collar, 2 3/8" Seating Nipple and 2 3/8" yellow and blue band tubing - (100# on casing) - Rigged up pump truck and pumped 25 bbls. of 2% KCL water down backside to kill well - Cont. RIH w/2 3/8" Production Tubing to 3,842' - Pulled up and landed Seating Nipple @ 3,579.76' - Removed BOP and installed Production Tree - Rigged up swab - RIH and tagged fluid @ 3,200' - Made 9 runs - Recovered 4 bbls. water - Fluid level staying @ 3,200' - (10# on casing - Tubing on a vacuum) - RIH w/swab and made 25 runs - (Fluid level staying @ 3,300' to 3,400' - Recovering 1.5 bbls. per run - Made 2 runs w/fluid level @ the Seating Nipple) - Well started flowing w/135# on casing and 0# on tubing - Well stopped flowing - (Recovered a total of 48 bbls. water) - Shut well in - (150# on tubing - 140# on casing) - Opened tubing - Bled down to 0# in 5 mins. - RIH w/swab and tagged fluid @ 3,450' - Made 8 runs - Bled casing down to 20# in 1.5 hrs. - Milked swab 5 times and came out w/250' of fluid on each run - Dropped standing valve - Made 10 runs - Milked swab 5 times and came out w/700' of fluid on each run - (average 8 bbls. per hour) - Swabbed back a total of 26 bbls. in 18 runs - Average 6 bbls. per hr.) - Shut well in - (130# on tubing - 150# on casing) - Pumped 20 bbls. of 2% KCL water down the casing and 20 bbls. down the tubing to kill well - POOH w/2 3/8" tubing - Dumped 5 gals. of Champion corrosion chemical down the casing - Picked up and RIH w/2 3/8" SOPMA, Seating Nipple, 9 jts. of 2 3/8" tubing, Tubing Anchor, and 110 jts. of 2 3/8" tubing - (Tubing Anchor @ 3,398.60' - Seating Nipple @ 3,674.06') - Set Tubing Anchor - Removed BOP and installed well head - Dumped 5 gals. of Champion corrosion chemical down the tubing - Picked up and RIH w/2" x 1 1/2" x 12" RHBC Type "B" pump, 2-1 1/2" K-Bars w/1-7/8" x 30" stabilizer between them, 2-3/4" rods w/4 rod guides each, and 141-3/4" "C" rods - Spaced out pump and hung on - Loaded tubing and tested pump - RDMO



Gas Rate (CD) (M)



SEMU 84 (GAS) 3 ZONE SUMMARY
TUBB, SKAGGS B, EUMONT QUEEN

Date	Historical Rate Mscf/d	Fitted Rate Mscf/d	Diff Mscf/d
1969/12	0.00	37.31	-37.312
1970/ 1	96.32	37.37	58.955
1970/ 2	64.75	37.42	27.327
1970/ 3	43.29	37.48	5.813
1970/ 4	29.27	37.53	-8.266
1970/ 5	44.87	37.59	7.284
1970/ 6	55.93	37.64	18.290
1970/ 7	53.71	37.70	16.012
1970/ 8	48.61	37.75	10.859
1970/ 9	22.53	37.81	-15.277
1970/10	45.87	37.86	8.006
1970/11	95.80	37.92	57.879
1970/12	64.13	37.98	26.153
1971/ 1	59.03	38.03	21.001
1971/ 2	83.75	38.09	45.661
1971/ 3	68.32	38.14	30.179
1971/ 4	64.60	38.20	26.399
1971/ 5	60.48	38.26	22.228
1971/ 6	52.57	38.31	14.254
1971/ 7	23.03	38.37	-15.336
1971/ 8	286.87	38.42	248.446
1971/ 9	297.50	38.48	259.018
1971/10	92.58	38.54	54.043
1971/11	160.17	38.60	121.571
1971/12	34.03	38.65	-4.619
1972/ 1	14.74	38.71	-23.966
1972/ 2	0.00	38.76	-38.765
1972/ 3	2.19	38.82	-36.628
1972/ 4	33.27	38.88	-5.613
1972/ 5	43.48	38.94	4.548
1972/ 6	38.63	38.99	-0.361
1972/ 7	43.26	39.05	4.207
1972/ 8	136.58	39.11	97.473
1972/ 9	114.60	39.17	75.433
1972/10	75.29	39.22	36.067
1972/11	169.90	39.28	130.618
1972/12	375.37	39.34	336.532
1973/ 1	463.68	39.40	424.281
1973/ 2	406.86	39.46	367.402
1973/ 3	396.52	39.51	357.004
1973/ 4	416.63	39.57	377.062
1973/ 5	427.39	39.63	387.759
1973/ 6	308.00	39.69	268.312
1973/ 7	373.61	39.75	333.868
1973/ 8	402.42	39.80	362.616
1973/ 9	410.23	39.86	370.370
1973/10	428.87	39.92	388.950
1973/11	322.60	39.98	282.620
1973/12	342.61	40.04	302.575
1974/ 1	332.94	40.10	292.838
1974/ 2	216.14	40.16	175.986
1974/ 3	171.61	40.21	131.398
1974/ 4	204.13	40.28	163.858
1974/ 5	276.06	40.33	235.731

1974/ 6	306.63	40.39	266.240
1974/ 7	267.71	40.45	227.258
1974/ 8	269.13	40.51	228.618
1974/ 9	238.10	40.57	197.528
1974/10	3.48	40.63	-37.147
1974/11	0.93	40.69	-39.758
1974/12	2.84	40.75	-37.911
1975/ 1	3.03	40.81	-37.778
1975/ 2	3.07	40.87	-37.800
1975/ 3	11.68	40.93	-29.253
1975/ 4	501.20	40.99	460.209
1975/ 5	648.23	41.05	607.175
1975/ 6	286.17	41.11	245.055
1975/ 7	275.16	41.17	233.990
1975/ 8	348.39	41.23	307.155
1975/ 9	374.00	41.29	332.707
1975/10	428.10	41.35	386.744
1975/11	68.37	41.41	26.952
1975/12	64.23	41.47	22.751
1976/ 1	39.77	41.54	-1.762
1976/ 2	41.07	41.60	-0.528
1976/ 3	35.87	41.66	-5.787
1976/ 4	99.70	41.72	57.980
1976/ 5	61.23	41.78	19.445
1976/ 6	111.37	41.84	69.524
1976/ 7	113.39	41.90	71.484
1976/ 8	113.65	41.97	71.680
1976/ 9	1.77	42.03	-40.261
1976/10	1.10	42.09	-40.992
1976/11	1.37	42.15	-40.785
1976/12	1.29	42.21	-40.922
1977/ 1	1.35	42.27	-40.920
1977/ 2	1.00	42.34	-41.338
1977/ 3	1.42	42.40	-40.979
1977/ 4	1.47	42.46	-40.995
1977/ 5	1.52	42.52	-41.007
1977/ 6	2.67	42.59	-39.920
1977/ 7	2.26	42.65	-40.391
1977/ 8	3.87	42.71	-38.840
1977/ 9	4.17	42.78	-38.608
1977/10	4.52	42.84	-38.321
1977/11	2.17	42.90	-40.734
1977/12	3.13	42.96	-39.834
1978/ 1	7.39	43.03	-35.639
1978/ 2	7.29	43.09	-35.805
1978/ 3	7.81	43.15	-35.346
1978/ 4	8.60	43.22	-34.617
1978/ 5	9.19	43.28	-34.086
1978/ 6	12.00	43.34	-31.344
1978/ 7	8.97	43.41	-34.439
1978/ 8	8.13	43.47	-35.342
1978/ 9	7.40	43.54	-36.136
1978/10	9.29	43.60	-34.308
1978/11	8.00	43.66	-35.664
1978/12	8.71	43.73	-35.017
1979/ 1	9.48	43.79	-34.307
1979/ 2	7.07	43.86	-36.785
1979/ 3	4.71	43.92	-39.210
1979/ 4	4.20	43.99	-39.786
1979/ 5	4.65	44.05	-39.404
1979/ 6	139.17	44.12	95.051

1979/ 7	73.68	44.18	29.498
1979/ 8	12.90	44.24	-31.341
1979/ 9	16.43	44.31	-27.877
1979/10	44.48	44.37	0.110
1979/11	43.20	44.44	-1.240
1979/12	62.87	44.50	18.366
1980/ 1	15.32	44.57	-29.247
1980/ 2	53.62	44.64	8.985
1980/ 3	18.94	44.70	-25.766
1980/ 4	25.00	44.77	-19.768
1980/ 5	26.16	44.83	-18.671
1980/ 6	30.97	44.90	-13.933
1980/ 7	29.74	44.96	-15.223
1980/ 8	24.87	45.03	-20.160
1980/ 9	28.53	45.10	-16.565
1980/10	22.77	45.16	-22.389
1980/11	17.50	45.23	-27.731
1980/12	10.23	45.30	-35.070
1981/ 1	9.26	45.36	-36.105
1981/ 2	11.14	45.43	-34.288
1981/ 3	11.61	45.50	-33.883
1981/ 4	11.97	45.56	-33.597
1981/ 5	8.77	45.63	-36.856
1981/ 6	13.07	45.70	-32.631
1981/ 7	24.52	45.76	-21.248
1981/ 8	20.10	45.83	-25.735
1981/ 9	19.27	45.90	-26.633
1981/10	53.00	45.97	7.034
1981/11	70.43	46.03	24.398
1981/12	11.55	46.10	-34.553
1982/ 1	20.71	46.17	-25.460
1982/ 2	7.39	46.24	-38.845
1982/ 3	3.35	46.31	-42.950
1982/ 4	6.87	46.37	-39.508
1982/ 5	3.87	46.44	-42.570
1982/ 6	5.13	46.51	-41.377
1982/ 7	3.45	46.58	-43.126
1982/ 8	26.65	46.65	-20.001
1982/ 9	27.93	46.72	-18.783
1982/10	39.77	46.78	-7.010
1982/11	11.90	46.85	-34.954
1982/12	10.74	46.92	-36.179
1983/ 1	136.52	46.99	89.526
1983/ 2	19.36	47.06	-27.703
1983/ 3	23.03	47.13	-24.096
1983/ 4	18.17	47.20	-29.032
1983/ 5	25.90	47.27	-21.364
1983/ 6	28.63	47.34	-18.705
1983/ 7	29.00	47.41	-18.406
1983/ 8	32.42	47.48	-15.057
1983/ 9	21.33	47.55	-26.214
1983/10	19.58	47.62	-28.035
1983/11	18.10	47.69	-29.587
1983/12	21.10	47.76	-26.659
1984/ 1	16.97	47.83	-30.858
1984/ 2	12.62	47.90	-35.276
1984/ 3	10.90	47.97	-37.063
1984/ 4	13.23	48.04	-34.805
1984/ 5	12.68	48.11	-35.430
1984/ 6	62.93	48.18	14.754
1984/ 7	53.52	48.25	5.267

1984/ 8	89.45	48.32	41.131
1984/ 9	82.77	48.39	34.374
1984/10	65.29	48.46	16.828
1984/11	344.17	48.53	295.632
1984/12	288.26	48.61	239.653
1985/ 1	236.35	48.68	187.678
1985/ 2	120.25	48.75	71.501
1985/ 3	80.68	48.82	31.858
1985/ 4	228.73	48.89	179.841
1985/ 5	220.10	48.96	171.133
1985/ 6	224.77	49.04	175.730
1985/ 7	220.42	49.11	171.312
1985/ 8	212.23	49.18	163.046
1985/ 9	202.40	49.25	153.147
1985/10	195.32	49.32	145.998
1985/11	195.20	49.40	145.802
1985/12	191.29	49.47	141.821
1986/ 1	140.42	49.54	90.877
1986/ 2	62.64	49.62	13.027
1986/ 3	148.87	49.69	99.183
1986/ 4	213.77	49.76	164.005
1986/ 5	199.13	49.83	149.295
1986/ 6	187.40	49.91	137.492
1986/ 7	182.45	49.98	132.471
1986/ 8	289.26	50.05	239.204
1986/ 9	172.93	50.13	122.804
1986/10	163.19	50.20	112.992
1986/11	164.13	50.28	113.857
1986/12	158.84	50.35	108.490
1987/ 1	128.32	50.42	77.899
1987/ 2	96.82	50.50	46.323
1987/ 3	153.74	50.57	103.170
1987/ 4	150.17	50.65	99.520
1987/ 5	152.39	50.72	101.667
1987/ 6	148.60	50.80	97.804
1987/ 7	142.13	50.87	91.260
1987/ 8	155.71	50.94	104.765
1987/ 9	148.43	51.02	97.413
1987/10	141.65	51.09	90.551
1987/11	134.40	51.17	83.230
1987/12	130.52	51.24	79.272
1988/ 1	126.77	51.32	75.454
1988/ 2	128.76	51.40	77.363
1988/ 3	127.06	51.47	75.594
1988/ 4	132.87	51.55	81.319
1988/ 5	129.10	51.62	77.475
1988/ 6	129.17	51.70	77.467
1988/ 7	127.77	51.77	76.000
1988/ 8	127.71	51.85	75.859
1988/ 9	121.83	51.93	69.906
1988/10	130.94	52.00	78.933
1988/11	120.63	52.08	68.553
1988/12	119.77	52.16	67.618
1989/ 1	111.94	52.23	59.703
1989/ 2	127.64	52.31	75.332
1989/ 3	114.94	52.39	62.549
1989/ 4	120.17	52.46	67.702
1989/ 5	0.00	52.54	-52.540
1989/ 6	117.37	52.62	64.748
1989/ 7	115.06	52.69	62.370
1989/ 8	112.19	52.77	59.421

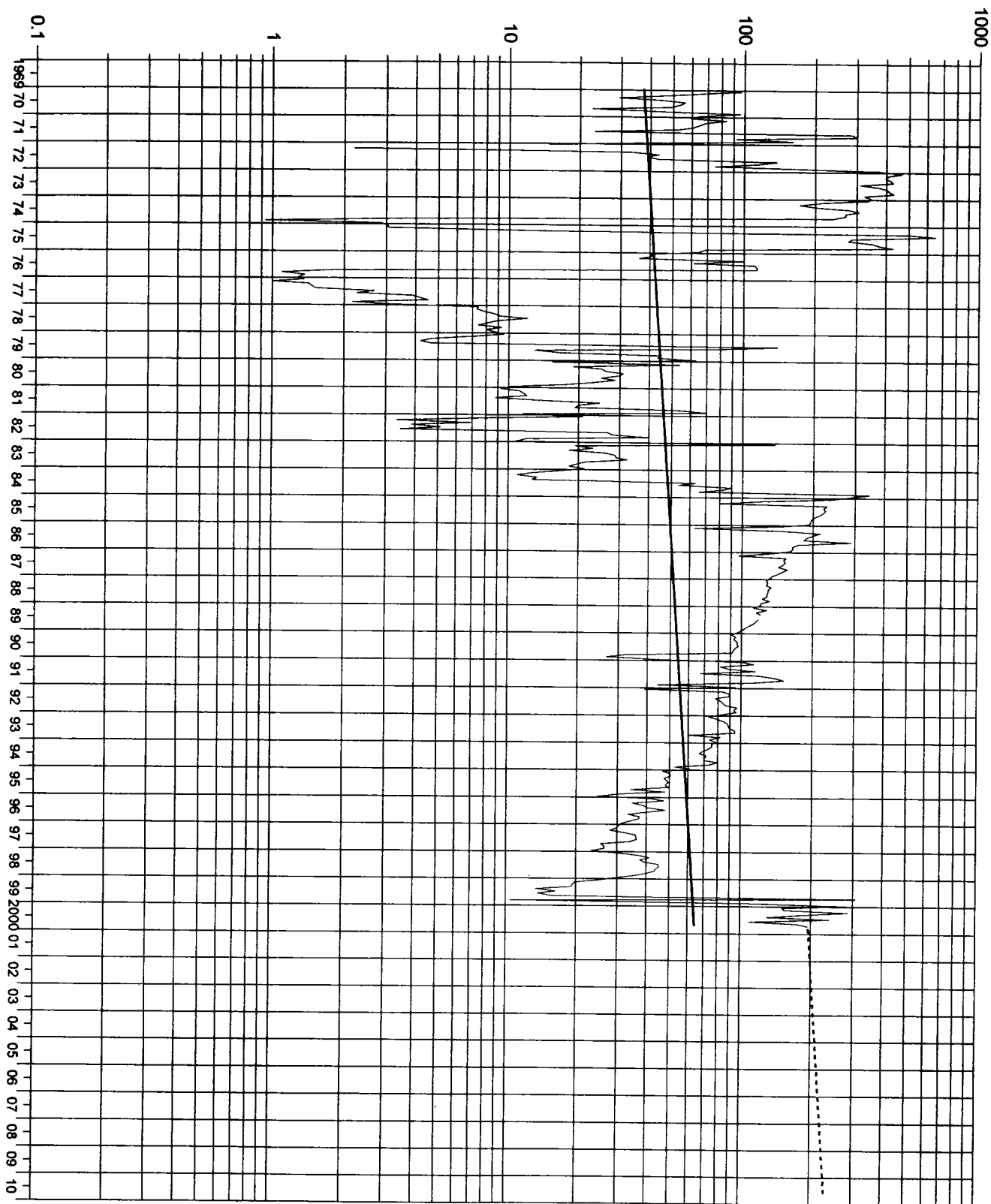
1989/ 9	107.43	52.85	54.582
1989/10	103.81	52.93	50.879
1989/11	100.37	53.01	47.360
1989/12	96.26	53.08	43.175
1990/ 1	90.90	53.16	37.742
1990/ 2	94.61	53.24	41.366
1990/ 3	92.71	53.32	39.392
1990/ 4	95.57	53.40	42.169
1990/ 5	96.00	53.47	42.525
1990/ 6	96.77	53.55	43.212
1990/ 7	93.74	53.63	40.110
1990/ 8	92.16	53.71	38.451
1990/ 9	91.30	53.79	37.509
1990/10	31.81	53.87	-22.062
1990/11	26.63	53.95	-27.316
1990/12	45.10	54.03	-8.930
1991/ 1	101.61	54.11	47.506
1991/ 2	112.86	54.19	58.670
1991/ 3	81.48	54.27	27.218
1991/ 4	89.07	54.35	34.720
1991/ 5	114.35	54.43	59.929
1991/ 6	66.97	54.51	12.460
1991/ 7	119.39	54.59	64.801
1991/ 8	138.87	54.67	84.205
1991/ 9	150.97	54.75	96.219
1991/10	111.87	54.83	57.044
1991/11	44.03	54.91	-10.875
1991/12	94.42	54.99	39.431
1992/ 1	38.87	55.07	-16.198
1992/ 2	84.17	55.15	29.023
1992/ 3	89.87	55.23	34.640
1992/ 4	88.60	55.31	33.287
1992/ 5	77.81	55.39	22.413
1992/ 6	81.73	55.48	26.257
1992/ 7	83.52	55.56	27.960
1992/ 8	86.13	55.64	30.491
1992/ 9	96.30	55.72	40.579
1992/10	93.23	55.80	37.424
1992/11	95.47	55.89	39.582
1992/12	82.00	55.97	26.034
1993/ 1	73.06	56.05	17.016
1993/ 2	79.25	56.13	23.118
1993/ 3	84.45	56.21	28.239
1993/ 4	87.80	56.30	31.503
1993/ 5	88.42	56.38	32.041
1993/ 6	89.17	56.46	32.704
1993/ 7	94.45	56.54	37.907
1993/ 8	94.39	56.63	37.760
1993/ 9	60.03	56.71	3.321
1993/10	81.74	56.79	24.948
1993/11	73.50	56.88	16.621
1993/12	78.58	56.96	21.620
1994/ 1	75.52	57.04	18.471
1994/ 2	75.25	57.13	18.120
1994/ 3	73.03	57.21	15.820
1994/ 4	69.23	57.30	11.935
1994/ 5	66.42	57.38	9.038
1994/ 6	71.30	57.47	13.833
1994/ 7	70.58	57.55	13.031
1994/ 8	69.48	57.63	11.849
1994/ 9	79.53	57.72	21.813

1994/10	73.19	57.80	15.390
1994/11	52.47	57.89	-5.424
1994/12	61.03	57.97	3.058
1995/ 1	46.68	58.06	-11.382
1995/ 2	50.29	58.15	-7.860
1995/ 3	50.48	58.23	-7.746
1995/ 4	47.13	58.32	-11.184
1995/ 5	48.77	58.40	-9.627
1995/ 6	49.17	58.49	-9.322
1995/ 7	47.97	58.57	-10.605
1995/ 8	49.42	58.66	-9.240
1995/ 9	34.17	58.75	-24.580
1995/10	47.81	58.83	-11.025
1995/11	30.70	58.92	-28.220
1995/12	24.71	59.00	-34.295
1996/ 1	41.65	59.09	-17.447
1996/ 2	47.41	59.18	-11.765
1996/ 3	34.71	59.27	-24.556
1996/ 4	38.77	59.35	-20.587
1996/ 5	40.19	59.44	-19.246
1996/ 6	47.90	59.53	-11.629
1996/ 7	40.13	59.61	-19.486
1996/ 8	33.26	59.70	-26.444
1996/ 9	37.37	59.79	-22.425
1996/10	36.94	59.88	-22.943
1996/11	33.53	59.97	-26.434
1996/12	31.19	60.05	-28.861
1997/ 1	30.29	60.14	-29.852
1997/ 2	29.82	60.23	-30.411
1997/ 3	27.90	60.32	-32.416
1997/ 4	32.00	60.41	-28.410
1997/ 5	35.84	60.50	-24.658
1997/ 6	36.07	60.59	-24.521
1997/ 7	36.32	60.67	-24.352
1997/ 8	34.03	60.76	-26.732
1997/ 9	25.47	60.85	-35.388
1997/10	26.39	60.94	-34.556
1997/11	26.40	61.03	-34.634
1997/12	23.23	61.12	-37.896
1998/ 1	29.65	61.21	-31.567
1998/ 2	36.54	61.30	-24.768
1998/ 3	41.16	61.39	-20.231
1998/ 4	37.43	61.48	-24.051
1998/ 5	39.16	61.57	-22.411
1998/ 6	44.87	61.66	-16.798
1998/ 7	44.97	61.75	-16.786
1998/ 8	43.97	61.84	-17.877
1998/ 9	43.03	61.94	-18.904
1998/10	39.87	62.03	-22.156
1998/11	34.90	62.12	-27.219
1998/12	29.23	62.21	-32.983
1999/ 1	24.74	62.30	-37.559
1999/ 2	19.71	62.39	-42.679
1999/ 3	19.29	62.48	-43.194
1999/ 4	19.03	62.58	-43.544
1999/ 5	13.42	62.67	-49.248
1999/ 6	16.30	62.76	-46.461
1999/ 7	13.65	62.85	-49.207
1999/ 8	15.81	62.94	-47.138
1999/ 9	308.40	63.04	245.361
1999/10	10.45	63.13	-52.678

1999/11	109.30	63.22	46.076
1999/12	281.52	63.32	218.201
2000/ 1	150.32	63.41	86.914
2000/ 2	153.86	63.50	90.360
2000/ 3	286.00	63.60	222.405
2000/ 4	185.37	63.69	121.677
2000/ 5	130.00	63.78	66.218
2000/ 6	238.17	63.88	174.289
2000/ 7	109.29	63.97	45.321
2000/ 8	172.90	64.06	108.839
2000/ 9	193.97	64.16	129.807

Gas Rate (CD) (M)

SEMU 84



FORECASTGAS
SEMU 84 3 ZONE SUMMARY

DATE	Instant. End Rate Mscf/d	Average Rate Mscf/d	Monthly Volume MMscf	Cumulative Volume MMscf	Remaining Reserves MMscf	
Schedule: #1						
2000/10	194.25	194.11	6.02	1127.1	768.6	#1
2000/11	194.54	194.60	5.84	1132.9	762.8	#1
2000/12	194.82	194.47	6.03	1138.9	756.7	#1
2001/ 1	195.11	194.97	6.04	1145.0	750.7	#1
2001/ 2	195.40	195.93	5.49	1150.5	745.2	#1
2001/ 3	195.68	194.87	6.04	1156.5	739.2	#1
2001/ 4	195.97	196.04	5.88	1162.4	733.3	#1
2001/ 5	196.26	195.91	6.07	1168.4	727.2	#1
2001/ 6	196.55	196.61	5.90	1174.3	721.3	#1
2001/ 7	196.84	196.48	6.09	1180.4	715.2	#1
2001/ 8	197.13	196.98	6.11	1186.5	709.1	#1
2001/ 9	197.42	197.48	5.92	1192.5	703.2	#1
2001/10	197.71	197.35	6.12	1198.6	697.1	#1
2001/11	198.00	198.06	5.94	1204.5	691.1	#1
2001/12	198.29	197.93	6.14	1210.7	685.0	#1
2002/ 1	198.58	198.43	6.15	1216.8	678.8	#1
2002/ 2	198.87	199.41	5.58	1222.4	673.3	#1
2002/ 3	199.16	198.33	6.15	1228.5	667.1	#1
2002/ 4	199.46	199.52	5.99	1234.5	661.1	#1
2002/ 5	199.75	199.39	6.18	1240.7	654.9	#1
2002/ 6	200.04	200.11	6.00	1246.7	648.9	#1
2002/ 7	200.34	199.98	6.20	1252.9	642.7	#1
2002/ 8	200.63	200.48	6.22	1259.1	636.5	#1
2002/ 9	200.93	200.99	6.03	1265.2	630.5	#1
2002/10	201.22	200.86	6.23	1271.4	624.3	#1
2002/11	201.52	201.58	6.05	1277.4	618.2	#1
2002/12	201.81	201.45	6.24	1283.7	612.0	#1
2003/ 1	202.11	201.96	6.26	1289.9	605.7	#1
2003/ 2	202.41	202.96	5.68	1295.6	600.0	#1
2003/ 3	202.70	201.86	6.26	1301.9	593.8	#1
2003/ 4	203.00	203.07	6.09	1308.0	587.7	#1
2003/ 5	203.30	202.94	6.29	1314.3	581.4	#1
2003/ 6	203.60	203.67	6.11	1320.4	575.3	#1
2003/ 7	203.90	203.53	6.31	1326.7	569.0	#1
2003/ 8	204.20	204.05	6.33	1333.0	562.6	#1
2003/ 9	204.50	204.57	6.14	1339.1	556.5	#1
2003/10	204.80	204.43	6.34	1345.5	550.2	#1
2003/11	205.10	205.17	6.16	1351.6	544.0	#1
2003/12	205.40	205.03	6.36	1358.0	537.7	#1
2004/ 1	205.70	205.55	6.37	1364.4	531.3	#1
2004/ 2	206.01	206.31	5.98	1370.4	525.3	#1
2004/ 3	206.31	205.70	6.38	1376.7	518.9	#1
2004/ 4	206.61	206.68	6.20	1382.9	512.7	#1
2004/ 5	206.92	206.54	6.40	1389.3	506.3	#1
2004/ 6	207.22	207.29	6.22	1395.6	500.1	#1
2004/ 7	207.53	207.15	6.42	1402.0	493.7	#1
2004/ 8	207.83	207.68	6.44	1408.4	487.2	#1
2004/ 9	208.14	208.21	6.25	1414.7	481.0	#1
2004/10	208.44	208.07	6.45	1421.1	474.5	#1
2004/11	208.75	208.82	6.26	1427.4	468.3	#1
2004/12	209.06	208.68	6.47	1433.8	461.8	#1
2005/ 1	209.36	209.21	6.49	1440.3	455.3	#1

2005/ 2	209.67	210.24	5.89	1446.2	449.4	#1
2005/ 3	209.98	209.10	6.48	1452.7	443.0	#1
2005/ 4	210.29	210.36	6.31	1459.0	436.7	#1
2005/ 5	210.60	210.22	6.52	1465.5	430.1	#1
2005/ 6	210.91	210.98	6.33	1471.9	423.8	#1
2005/ 7	211.22	210.84	6.54	1478.4	417.3	#1
2005/ 8	211.53	211.37	6.55	1484.9	410.7	#1
2005/ 9	211.84	211.91	6.36	1491.3	404.4	#1
2005/10	212.15	211.77	6.56	1497.9	397.8	#1
2005/11	212.46	212.53	6.38	1504.2	391.4	#1
2005/12	212.77	212.39	6.58	1510.8	384.8	#1
2006/ 1	213.09	212.93	6.60	1517.4	378.2	#1
2006/ 2	213.40	213.98	5.99	1523.4	372.2	#1
2006/ 3	213.71	212.82	6.60	1530.0	365.6	#1
2006/ 4	214.03	214.10	6.42	1536.4	359.2	#1
2006/ 5	214.34	213.96	6.63	1543.1	352.6	#1
2006/ 6	214.66	214.73	6.44	1549.5	346.1	#1
2006/ 7	214.97	214.58	6.65	1556.2	339.5	#1
2006/ 8	215.29	215.13	6.67	1562.8	332.8	#1
2006/ 9	215.60	215.68	6.47	1569.3	326.4	#1
2006/10	215.92	215.53	6.68	1576.0	319.7	#1
2006/11	216.24	216.31	6.49	1582.5	313.2	#1
2006/12	216.56	216.17	6.70	1589.2	306.5	#1
2007/ 1	216.87	216.72	6.72	1595.9	299.8	#1
2007/ 2	217.19	217.78	6.10	1602.0	293.7	#1
2007/ 3	217.51	216.60	6.71	1608.7	287.0	#1
2007/ 4	217.83	217.91	6.54	1615.2	280.4	#1
2007/ 5	218.15	217.76	6.75	1622.0	273.7	#1
2007/ 6	218.47	218.55	6.56	1628.5	267.1	#1
2007/ 7	218.79	218.40	6.77	1635.3	260.3	#1
2007/ 8	219.12	218.96	6.79	1642.1	253.6	#1
2007/ 9	219.44	219.51	6.59	1648.7	247.0	#1
2007/10	219.76	219.37	6.80	1655.5	240.2	#1
2007/11	220.08	220.16	6.60	1662.1	233.6	#1
2007/12	220.41	220.01	6.82	1668.9	226.7	#1
2008/ 1	220.73	220.57	6.84	1675.8	219.9	#1
2008/ 2	221.06	221.39	6.42	1682.2	213.5	#1
2008/ 3	221.38	220.73	6.84	1689.0	206.6	#1
2008/ 4	221.71	221.78	6.65	1695.7	200.0	#1
2008/ 5	222.03	221.63	6.87	1702.5	193.1	#1
2008/ 6	222.36	222.43	6.67	1709.2	186.4	#1
2008/ 7	222.69	222.28	6.89	1716.1	179.6	#1
2008/ 8	223.01	222.85	6.91	1723.0	172.6	#1
2008/ 9	223.34	223.42	6.70	1729.7	165.9	#1
2008/10	223.67	223.27	6.92	1736.6	159.0	#1
2008/11	224.00	224.07	6.72	1743.4	152.3	#1
2008/12	224.33	223.92	6.94	1750.3	145.4	#1
2009/ 1	224.66	224.49	6.96	1757.3	138.4	#1
2009/ 2	224.99	225.60	6.32	1763.6	132.1	#1
2009/ 3	225.32	224.38	6.96	1770.5	125.1	#1
2009/ 4	225.65	225.72	6.77	1777.3	118.4	#1
2009/ 5	225.98	225.57	6.99	1784.3	111.4	#1
2009/ 6	226.31	226.39	6.79	1791.1	104.6	#1
2009/ 7	226.65	226.24	7.01	1798.1	97.6	#1
2009/ 8	226.98	226.81	7.03	1805.1	90.5	#1
2009/ 9	227.31	227.39	6.82	1812.0	83.7	#1
2009/10	227.65	227.24	7.04	1819.0	76.7	#1
2009/11	227.98	228.06	6.84	1825.8	69.8	#1
2009/12	228.32	227.91	7.07	1832.9	62.8	#1
2010/ 1	228.65	228.48	7.08	1840.0	55.7	#1
2010/ 2	228.99	229.61	6.43	1846.4	49.2	#1