

District I - (505) 393-6161
1625 N. French Dr
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

New Mexico
Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

Form C-140
Revised 06/99

SUBMIT ORIGINAL
PLUS 2 COPIES
TO APPROPRIATE
DISTRICT OFFICE

APPLICATION FOR
WELL WORKOVER PROJECT

I. Operator and Well

H-0630

Operator name & address Conoco Inc. 10 Desta Drive, Suite 100W Midland, Texas 79705-4500						OGRID Number 005073		
Contact Party Sherry A. Cooper						Phone (915) 686-6183		
Property Name SEMU				Well Number 136		API Number 30025346670000		
UL L	Section 25	Township 20S	Range 37E	Feet From The 1980	North/South Line South	Feet From The 1090	East/West Line West	County Lea

II. Workover

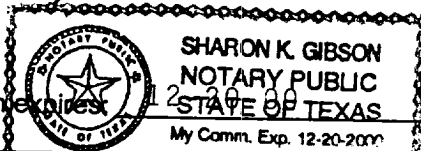
Date Workover Commenced: 12-16-99	Previous Producing Pool(s) (Prior to Workover): Tubb
Date Workover Completed: 12-22-99	

- III. Attach a description of the Workover Procedures performed to increase production.
IV. Attach a production decline curve or table showing at least twelve months of production prior to the workover and at least three months of production following the workover reflecting a positive production increase.
V. AFFIDAVIT:

State of Texas)
) ss.
County of Midland)
Sherry A. Cooper, being first duly sworn, upon oath states:

1. I am the Operator, or authorized representative of the Operator, of the above-referenced Well.
2. I have made, or caused to be made, a diligent search of the production records reasonably available for this Well.
3. To the best of my knowledge, this application and the data used to prepare the production curve and/or table for this Well are complete and accurate.

Signature Sherry A. Cooper Title Sr. Staff Financial Assistant Date 11-30-00
SUBSCRIBED AND SWORN TO before me this 30th day of November, 2000



Notary Public Sharon K. Gibson

FOR OIL CONSERVATION DIVISION USE ONLY:

VI. CERTIFICATION OF APPROVAL:

This Application is hereby approved and the above-referenced well is designated a Well Workover Project and the Division hereby verifies the data shows a positive production increase. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project was completed on 12-22-99.

Original Submitted 12/13/2000

Signature District Supervisor <u>Paul J. Kautz</u>	OCD District <u>1</u>	Date <u>12/4/2000</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT: _____

SEMU #136 (DER 02/24/2000)

API No.	30025346670000
Spud	
Completion	
Abandoned	
Frm. Prod.	
Well No.	
Field	SEMU #136
Init. Well Class.	North Hardy Strawn
Status	Strawn
Permit	
RR	
Last Act.	
TD	
PBTD	8044.0 ftKB
Operator	7100.0 ftKB
Permit No.	Conoco Inc.
District	Hobbs O.U.
Final Well Class.	
Frm. at TD	

Elevations

KB-Grd	
Grd	11.0 ft
Tub Head	3510.0 ft
KB	0.0 ft
Cas Flng	3521.0 ft
Bore Hole Data	0.0 ft

Size (in)	Depth (ftKB)
12.2500	1404.0
7.8750	8044.0

Casing String - Surface Casing

Grd	Item (in)	Btm (ftKB)	Comments	ID	Thd	Jrits	Wt
M-50	8.6250 in Surface Casing	1404.0		8.0937	ST & C	34	23.00

Casing String - Production Casing

Grd	Item (in)	Btm (ftKB)	Comments	ID	Thd	Jrits	Wt
K-55	5.5000 in Production Casing	7272.0	22' Marker Joint @ 7,250' to 7,272' - (22')	4.9531	LT & C	164	15.50
K-55	5.5000 in Production Casing	8040.0		4.8906	LT & C	17	17.00

Casing Cement

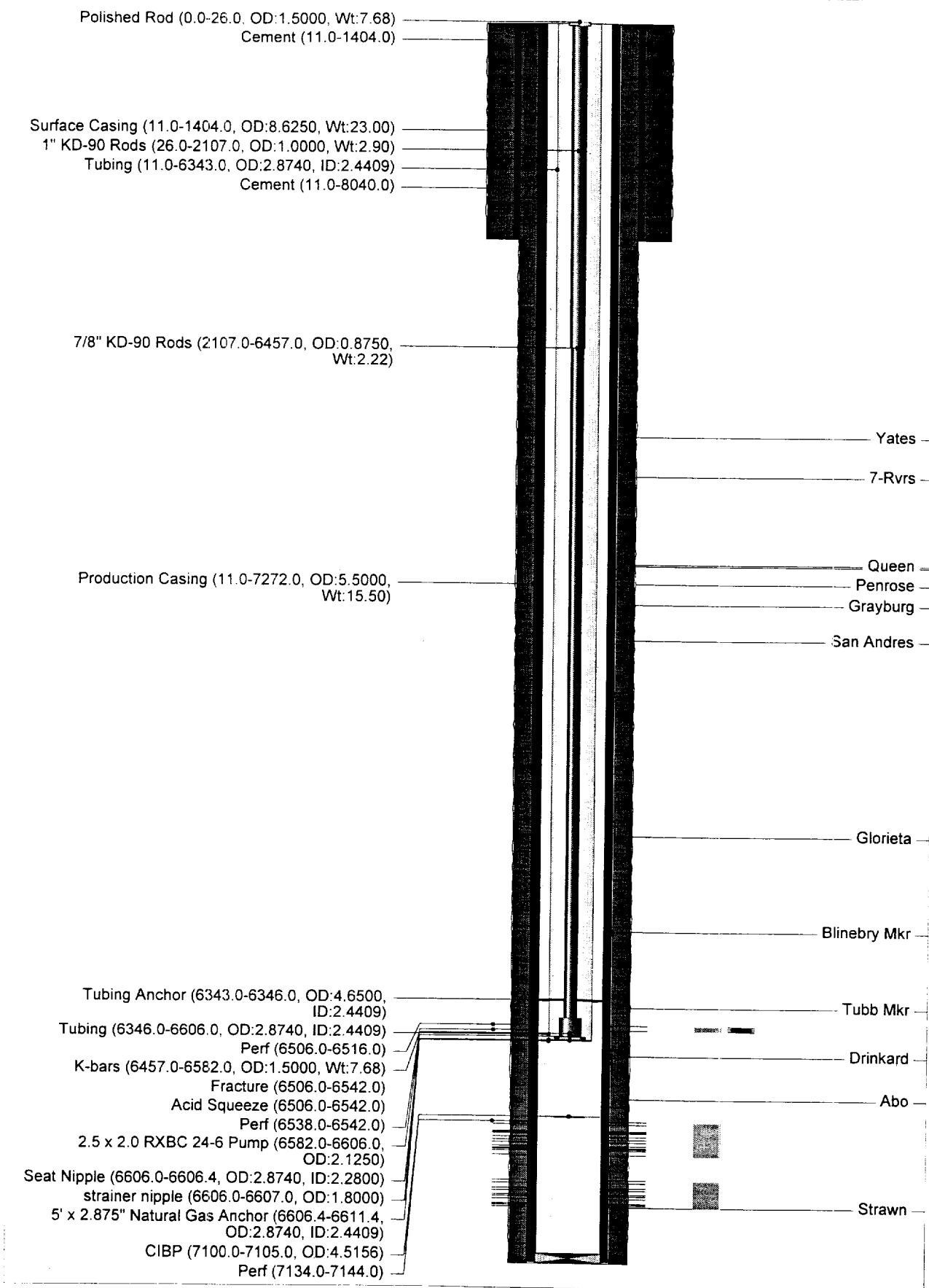
Amount (sx)	Comments	Casing String	Top (ftKB)
715	Lead: 520 sacks (35.65) Poz class "C" cement @ 12.7# w/6% gel, 0.005 gps FP-6L, 2% CaCl and 0.25% Cello-Flake Tail: 195 sacks of class "C" cement @ 14.8# w/2% CaCl and 0.005 gps FP-6L	Surface Casing	11.0
2270	Circulated 28.5 bbls. of cement Lead: 1,650 sacks (35.65) Poz class "C" cement @ 12.7# w/6% gel, 0.005 gps FP-6L, and 0.25% Cello-Flake Tail: 620 sacks of class "C" cement @ 14.8# w/0.75% FloBloc-210, 1% BA-58, 0.4% CD-32, 0.005 gps FP-6L and 0.2% SMS Circulated 6 bbls. of cement	Production Casing	11.0

Perforations

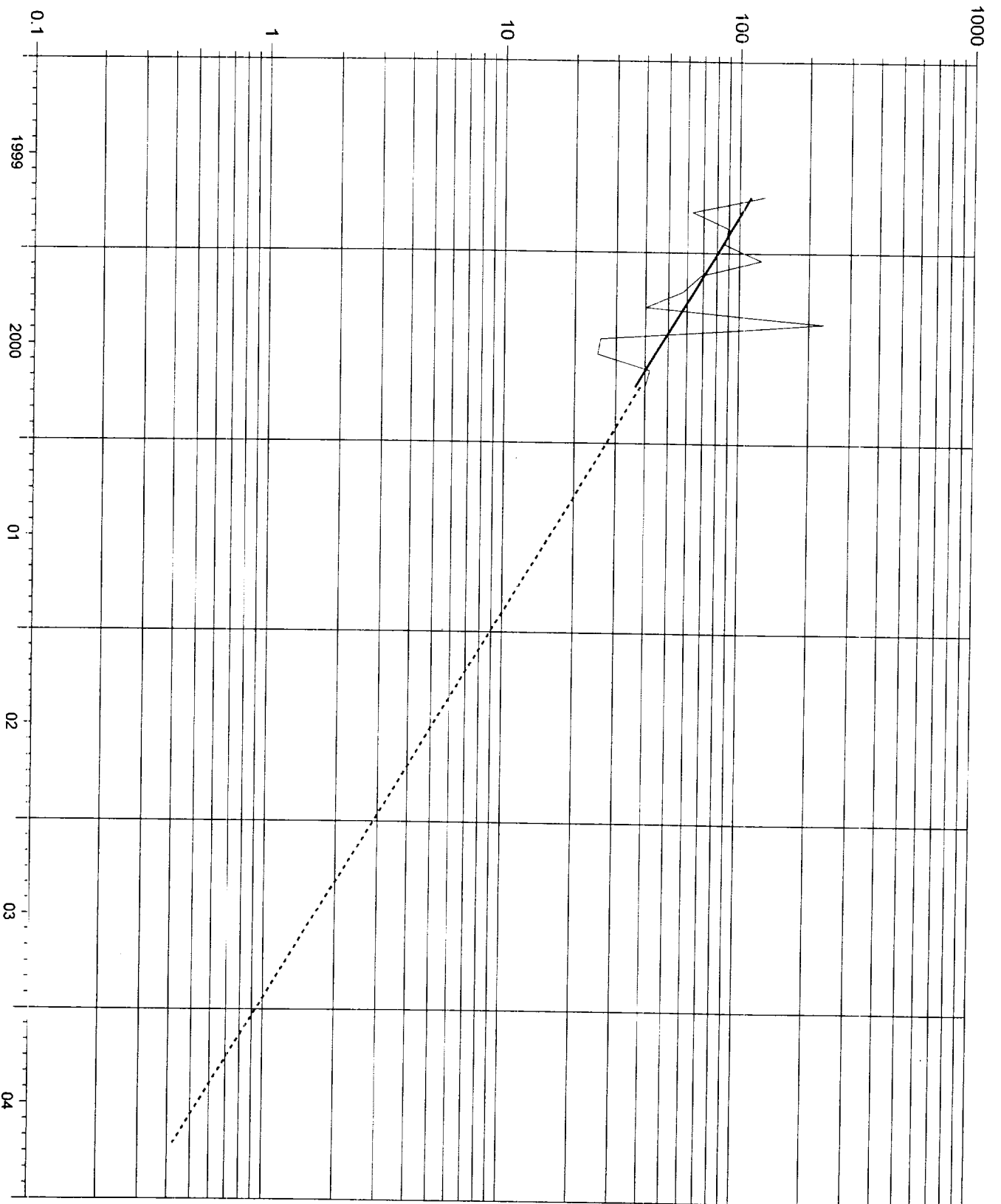
Int	Shots (/ft)	Comments	Type	Date
7134.0 - 7144.0	2.0		Jet perforation	10/6/1999
7152.0 - 7184.0	2.0		Jet perforation	10/6/1999
7194.0 - 7198.0	2.0		Jet perforation	10/6/1999
7203.0 - 7206.0	2.0		Jet perforation	10/6/1999
7209.0 - 7220.0	2.0		Jet perforation	10/7/1999
7232.0 - 7247.0	2.0		Jet perforation	10/7/1999
7251.0 - 7262.0	2.0		Jet perforation	10/7/1999
7268.0 - 7284.0	2.0		Jet perforation	10/7/1999
7292.0 - 7301.0	2.0		Jet perforation	10/7/1999

Completions & Workovers (con't)

Reason for Workover	Reason for Failure	Date	Summary
Install Packer	Initial Completion	1/24/2000	Install Packer - MIRU, killed well w/20 bbls 10# brine, ran paraffin knife to 1000', recovered moderate amount of medium hard paraffin. Hot oiled tbg w/75 bbls lease crude & 30 gals Champion Crystal Modifier. Killed well w/140 bbls 10# brine. NU & test BOP to 1000 psi, POH w/tbg. RIH w/ WL re-entry guide, 6' sub, 2.25" R-nipple, 1 jt, M1-X packer w/2.25" F-nipple & on/off tool and 197 jts. Circ pkr fluid. Set pkr & land tbg w/6000# tension on pkr. NUWH, test pkr to 1000 psi for 30 min. RIH w/swab, FL @ 2000', recovered 16 bbls (10% oil cut), FFL @ 2000'. SION. AM SITP 30 psi, RIH w/swab, Initial FL @ 2000', made 26 runs, recovered 20 BO & 110 BW, final FL scattered from 2000' to 4000', RDMO, moved in Swab unit. SION. AM SITP 420 psi, flowed 23 bbls and died, made one swab run, well kicked-off, flowed 24 bbls (90% oil cut) in one hour with 80 psi FTP, turned production down flow-line, RD Swab unit.
Put on Pump	Change Prod. Assembly	2/9/2000	Put on Pump - MIRU, held pre-job safety meeting, bled well down, less than 100#. RU BOP's, test to 1000#, SI. Held PJSA. Bled 100# PSI cff well, rig down working floor, released packer, well came in and blew oil across location, close in well, investigate spill, SI. Pumped 40 bbls wtr down tubing to kill well, POH w/5.5 x 2.875" AS-1X 10K packer. PU & RIH w/5' x 2.875" natural gas anchor, SN, 8 jts 2.875" N-80 tbg and 195 jts 2.875" N-80 tbg. ND BOP, NUWH, SI. Held safety meeting, PU, RIH w/2.5 x 2.0 RXBC 24-5 pump, 5 x 1.5" x 25' K-bars, 174 x 7/8" Norris KD-90 and 83 x 1" Norris KD-90 rods, space well out, RDMO. Move in Lufkin C912-365-144 pumping unit from Warren Burger #7 (Devonian). Put unit in short stroke (106") and balanced. Started well pumping.



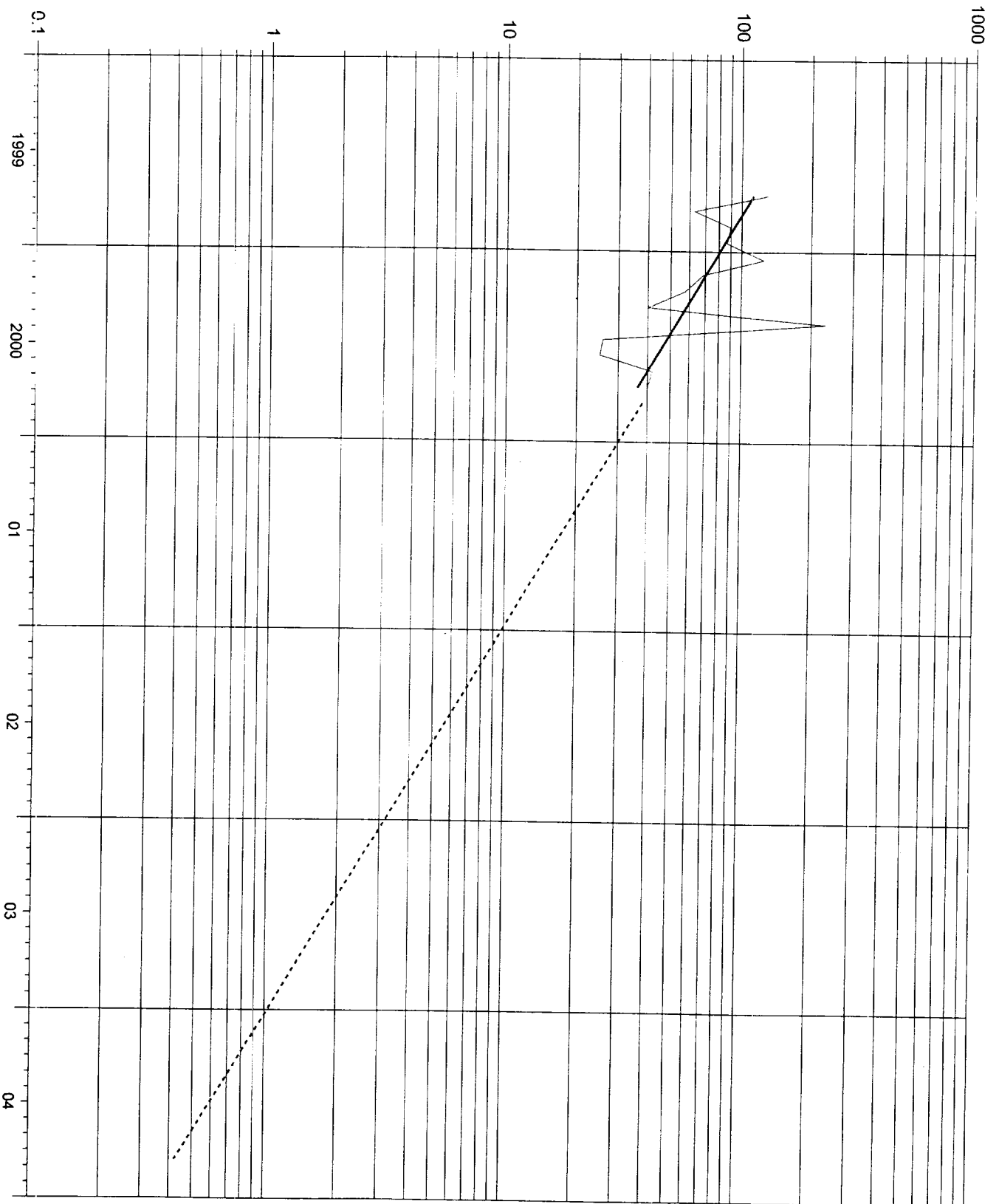
Oil Rate (CD)



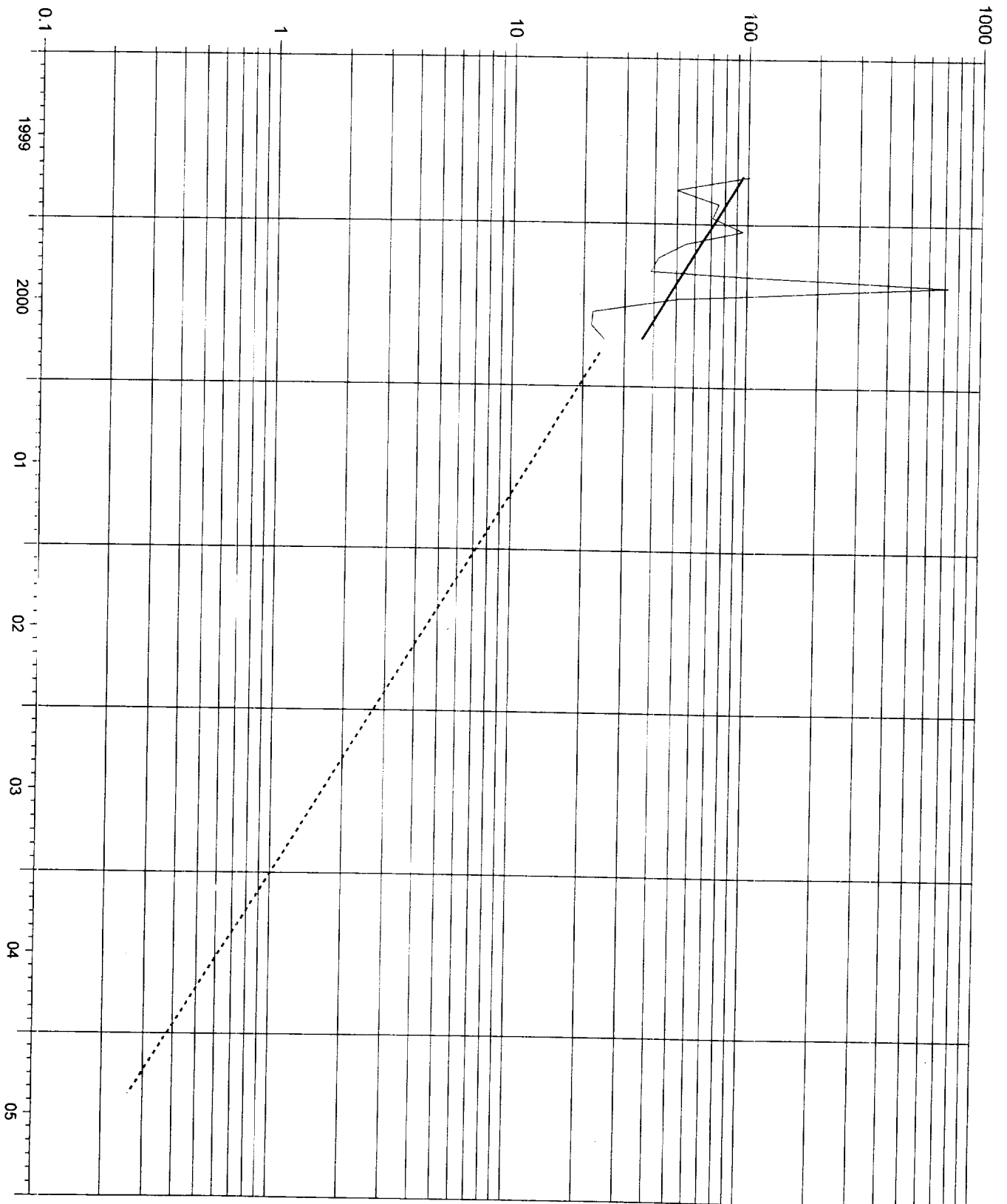
(OIL)
SEMU_136:TD

Date	Historical Rate bbls/d	Fitted Rate bbls/d	Diff bbls/d
1999/ 9	128.80	111.99	16.813
1999/10	62.68	102.10	-39.427
1999/11	89.33	92.81	-3.479
1999/12	86.45	84.62	1.830
2000/ 1	124.65	77.04	47.608
2000/ 2	68.48	70.14	-1.657
2000/ 3	57.39	63.85	-6.460
2000/ 4	40.00	58.04	-18.037
2000/ 5	230.39	52.91	177.472
2000/ 6	25.73	48.10	-22.366
2000/ 7	24.97	43.85	-18.887
2000/ 8	41.87	39.92	1.947
2000/ 9	40.00	36.29	3.709

Oil Rate (CD)



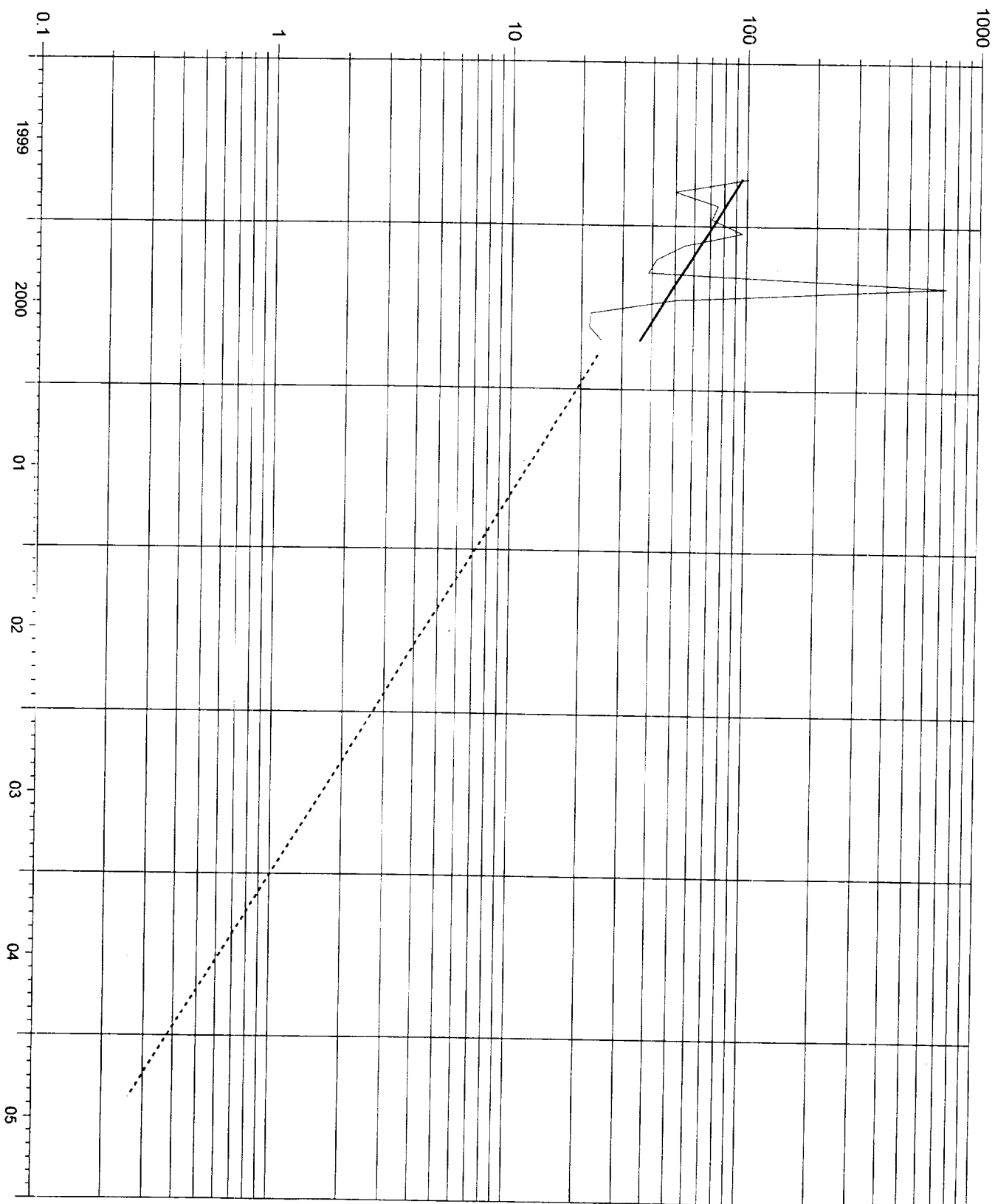
Gas Rate (CD) (M)



GAS
SEMU_136:TD

Date	Historical Rate Mscf/d	Fitted Rate Mscf/d	Diff Mscf/d
1999/ 9	101.30	95.40	5.897
1999/10	49.68	88.01	-38.334
1999/11	75.07	80.98	-5.912
1999/12	70.84	74.70	-3.866
2000/ 1	95.58	68.83	26.755
2000/ 2	54.48	63.42	-8.933
2000/ 3	41.74	58.42	-16.678
2000/ 4	38.50	53.75	-15.251
2000/ 5	721.81	49.59	672.220
2000/ 6	50.70	45.62	5.076
2000/ 7	21.84	42.09	-20.251
2000/ 8	21.61	38.78	-17.165
2000/ 9	24.57	35.68	-11.112

Gas Rate (CD) (M)



GAS
SEMU_136:TD

DATE	Instant. End Rate Mscf/d	Average Rate Mscf/d	Monthly Volume MMscf	Cumulative Volume MMscf	Remaining Reserves MMscf	
Schedule: #1						
2000/10	22.64	23.59	0.73	42.7	8.3	#1
2000/11	20.85	21.76	0.65	43.4	7.6	#1
2000/12	19.21	20.00	0.62	44.0	7.0	#1
2001/ 1	17.70	18.45	0.57	44.6	6.5	#1
2001/ 2	16.30	17.05	0.48	45.1	6.0	#1
2001/ 3	15.02	15.60	0.48	45.5	5.5	#1
2001/ 4	13.84	14.44	0.43	46.0	5.1	#1
2001/ 5	12.75	13.28	0.41	46.4	4.7	#1
2001/ 6	11.75	12.26	0.37	46.7	4.3	#1
2001/ 7	10.82	11.27	0.35	47.1	3.9	#1
2001/ 8	9.97	10.39	0.32	47.4	3.6	#1
2001/ 9	9.19	9.59	0.29	47.7	3.3	#1
2001/10	8.47	8.81	0.27	48.0	3.1	#1
2001/11	7.80	8.14	0.24	48.2	2.8	#1
2001/12	7.19	7.48	0.23	48.5	2.6	#1
2002/ 1	6.62	6.90	0.21	48.7	2.4	#1
2002/ 2	6.10	6.38	0.18	48.8	2.2	#1
2002/ 3	5.62	5.83	0.18	49.0	2.0	#1
2002/ 4	5.18	5.40	0.16	49.2	1.8	#1
2002/ 5	4.77	4.96	0.15	49.3	1.7	#1
2002/ 6	4.39	4.58	0.14	49.5	1.5	#1
2002/ 7	4.05	4.21	0.13	49.6	1.4	#1
2002/ 8	3.73	3.89	0.12	49.7	1.3	#1
2002/ 9	3.44	3.58	0.11	49.8	1.2	#1
2002/10	3.17	3.30	0.10	49.9	1.1	#1
2002/11	2.92	3.04	0.09	50.0	1.0	#1
2002/12	2.69	2.80	0.09	50.1	0.9	#1
2003/ 1	2.48	2.58	0.08	50.2	0.8	#1
2003/ 2	2.28	2.38	0.07	50.3	0.7	#1
2003/ 3	2.10	2.18	0.07	50.3	0.6	#1
2003/ 4	1.94	2.02	0.06	50.4	0.5	#1
2003/ 5	1.78	1.86	0.06	50.5	0.5	#1
2003/ 6	1.64	1.71	0.05	50.5	0.5	#1
2003/ 7	1.51	1.58	0.05	50.6	0.4	#1
2003/ 8	1.39	1.45	0.05	50.6	0.4	#1
2003/ 9	1.28	1.34	0.04	50.6	0.4	#1
2003/10	1.18	1.23	0.04	50.7	0.4	#1
2003/11	1.09	1.14	0.03	50.7	0.3	#1
2003/12	1.00	1.05	0.03	50.7	0.3	#1
2004/ 1	0.93	0.96	0.03	50.8	0.3	#1
2004/ 2	0.85	0.89	0.03	50.8	0.2	#1
2004/ 3	0.79	0.82	0.03	50.8	0.2	#1
2004/ 4	0.72	0.76	0.02	50.8	0.2	#1
2004/ 5	0.67	0.69	0.02	50.9	0.2	#1
2004/ 6	0.61	0.64	0.02	50.9	0.1	#1
2004/ 7	0.57	0.59	0.02	50.9	0.1	#1
2004/ 8	0.52	0.54	0.02	50.9	0.1	#1
2004/ 9	0.48	0.50	0.02	50.9	0.1	#1
2004/10	0.44	0.46	0.01	51.0	0.1	#1
2004/11	0.41	0.43	0.01	51.0	0.1	#1
2004/12	0.38	0.39	0.01	51.0	0.1	#1
2005/ 1	0.35	0.36	0.01	51.0	0.0	#1

2005/ 2	0.32	0.33	0.01	51.0	0.0	#1
2005/ 3	0.29	0.31	0.01	51.0	0.0	#1
2005/ 4	0.27	0.28	0.01	51.0	0.0	#1
2005/ 5	0.25	0.26	0.01	51.0	0.0	#1

APPLICATION FOR
WELL WORKOVER PROJECT

H-0630

Operator name & address Conoco Inc. 10 Desta Drive, Suite 100W Midland, Texas 79705-4500		Contact Party Sherry A. Cooper		Property Name SEM U	
UL	L	Section	Township	Range	Feet From The
	25	205	37E	1980	South
Feet From The		North/South Line	Feet From The	East/West Line	County
		1090	West	Lea	
Well Number		136	API Number		
			30025346670000		
OGRID Number		005073	Phone		
			(915) 686-6183		

III. Attach a description of the Workover Procedures performed to increase production.
IV. Attach a production decline curve or table showing at least twelve months of production prior to the workover and at least three months of production following the workover reflecting a positive production increase.
V. AFFIDAVIT:

State of Texas
County of Midland
Sherry A. Cooper, being first duly sworn, upon oath states:
1. I am the Operator, or authorized representative of the Operator, of the above-referenced Well.
2. I have made, or caused to be made, a diligent search of the production records reasonably available for this Well.
3. To the best of my knowledge, this application and the data used to prepare the production curve and/or table for this Well are complete and accurate.
Signature: Sherry A. Cooper
Title: Sr. Staff Financial Assistant
Date: 11-30-00
30th day of November, 2000
Notary Public: Sharon K. Gibson
My Commission Expires 12-20-2000

FOR OIL CONSERVATION DIVISION USE ONLY:
CERTIFICATION OF APPROVAL:

This Application is hereby approved and the above-referenced well is designated a Well Workover Project and the Division hereby verifies the data shows a positive production increase. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project was completed on 12-22-99

Signature District Supervisor Paul J. Henry	OCD District 1	Date 12/4/2000
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT: 12/17/2000