STATE OF NEW MEXICO - TAXATION AND REVENUE DEPARTMENT

WELL WORKOVER PROJECT
APPLICATION AND REPORTING INSTRUCTIONS

(FORM RPD-41171)

Matera 33 Fed Com 1 1604

Name of Individual, Firm or Organization: Enron Oil & Gas Company	OGRID Number (for Tax Filer): 7377
Contact: Richard King	Telephone Number: (713) 853-5041
Mailing Address: P.O. Box 4362	
City: Houston	State: TX — Zip Code: 77210-436

Check one: ☑ Well Operator ☐ Working Interest Owner ☐ Purchaser

PUN	1047177
POOL NAME	Morrow
API NUMBER	30 025 28051
PRODUCT KIND (PLEASE CHECK ALL THAT APPLY)	☑ NATURAL GAS ☑ OIL

PLEASE ATTACH A COPY OF THE OIL CONSERVATION DIVISION'S APPLICATION FOR QUALIFICATION OF WELL WORKOVER PROJECT AND CERTIFICATION OF APPROVAL.

FOR DEPARTMENT USE ONLY

CERTIFICATION OF APPROVAL TO USE WELL WORKOVER INCENTIVE TAX RATE

The New Mexico Taxation and Revenue Department is approving the use of the reduced severance tax rate for the above well completion based on the information that you have provided. This Department reserves the right to determine compliance with the provisions of the Natural Gas and Crude Oil Production Incentive Act.

Approval for use of the reduced severance tax rate begins with sales month 7/96.

Please use Special Tax Rate Code 04 on your Form(s) OGT-2 as it applies to the specific well completion and Production Un Number listed above.

Approved by: [signature]	Date: 7-28-97

strict I - (505) 393-6161
. Box 1980
obs. NM 88241-1980
strict II - (505) 748-1283
. S. First
esia, NM 88210
strict III - (505) 334-6178
00 Rio Brazos Road
.cc. NM 87410
strict IV

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-14(
Originated 11/1/9:

Submit Origina
Plus 2 Copie
to appropriat
District Offic.

03/15/99-AMENDED PRODUCTION FORECAST H-0313

APPLICATION FOR
QUALIFICATION OF WELL WORKOVER PROJECT
AND CERTIFICATION OF APPROVAL

THREE COPIES OF THIS APPLICATION AND ALL ATTACHMENTS MUST BE FILED WITH THE APPROPRIATE DISTRICT OFFICE OF THE OIL CONSERVATION DIVISION.

I. Operator: Enron Oil & Gas Company OGRID #: 7377

Address: P. O. Box 2267, Midland, Texas 79702

Contact Party: Betty Gildon Phone: 915/686-3714

II. Name of Well: Madera 33 Federal Com. #1 API #: 30 025 28051

Location of Well: Unit Letter E, 2310 Feet from the north line and 660 feet from the west line,
Section 33, Township 24S, Range 34E, NMPM, Lea County

III. Date Workover Procedures Commenced: 6-3-96
Date Workover Procedures were Completed: 6-3-96

IV. Attach a description of the Workover Procedures undertaken to increase the projection from the Well.
Installed Compressor

V. Attach an estimate of the production rate of the Well (a production decline curve or other acceptable method, and table showing monthly oil and/or gas Project Production) based on at least twelve (12) months of established production which shows the future rate of production based on well performance prior to performing Workover.

VI. Pool(s) on which Production Projection is based: Pitchfork Ranch Morrow

VII. AFFIDAVIT:

State of Texas)
) ss.
County of Midland)

Betty Gildon 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 which are reasonably available and contain information relevant to the production history of this Well.

3. To the best of my knowledge, the data used to prepare the Production Projection for this Well is complete and accurate and this projection was prepared using sound petroleum engineering principles.

Betty Gildon
(Name)

Betty Gildon, Regulatory Analyst
(Title)

UBSCRIBED AND SWORN TO before me this 16th day of June, 1997.

PEGGY C. LAVINE
Notary Public, State of Texas
My Commission Expires 11-21-98

Peggy C. Lavine

Notary Public

My Commission expires: _____

FOR OIL CONSERVATION DIVISION USE ONLY:

VIII. CERTIFICATION OF APPROVAL:

This Application for Qualification of Well Workover Project is hereby approved and the above referenced Well is designated as a Well Workover Project pursuant to the "Natural Gas and Crude Oil Production Incentive Act" (Laws 1995, Chapter 15, Sections 1 through 8). The Oil Conservation Division hereby verifies the Production Projection for the Well Workover Project attached to this application. By copy of this Application and Certification of Approval, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project has been completed as of 6-3-96, 19__.

Paul F. Kautz

District Supervisor, District 4
Oil Conservation Division

Date: 7/7/97

IX. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT.

DATE: _____

Revised Paul F. Kautz
3/25/99

REVISED 03/15/99

Madera 33 F.C. No. 1
Production Projection Before Workover
Base Rate at WO on 05/96 Decline(exp)
Oil 43 BOPM 81 %/yr
Gas 10400 mcf/mo 70 %/yr

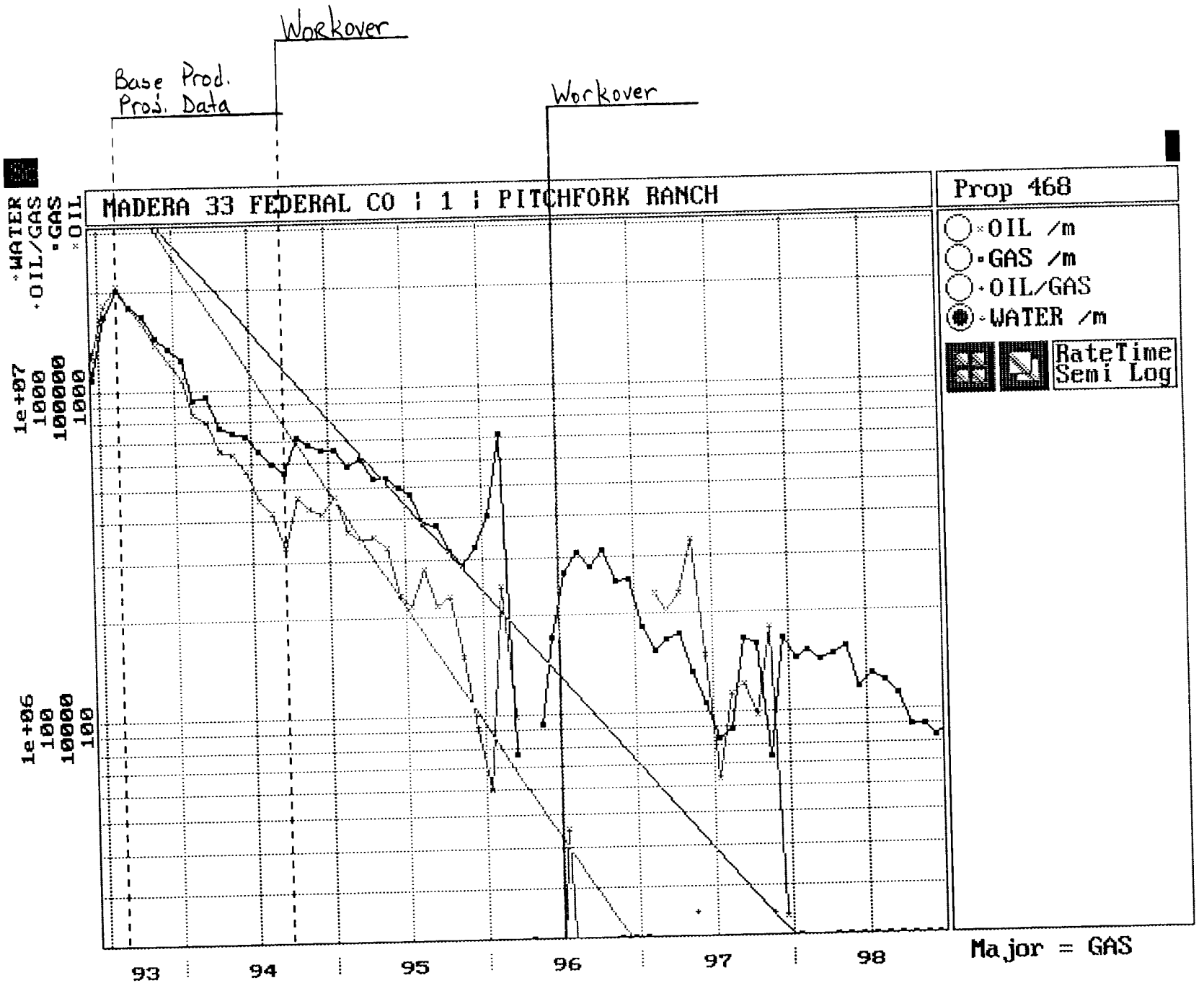
Date	Oil BOPM	Gas MCF/Mo
May-96	43.0	10400.0
Jun-96	40.2	9810.7
Jul-96	37.6	9254.8
Aug-96	35.1	8730.4
Sep-96	32.8	8235.7
Oct-96	30.7	7769.0
Nov-96	28.7	7328.8
Dec-96	26.8	6913.5
Jan-97	25.1	6521.7
Feb-97	23.4	6152.2
Mar-97	21.9	5803.6
Apr-97	20.5	5474.7
May-97	19.1	5164.5
Jun-97	17.9	4871.8
Jul-97	16.7	4595.8
Aug-97	15.6	4335.4
Sep-97	14.6	4089.7
Oct-97	13.6	3858.0
Nov-97	12.8	3639.4
Dec-97	11.9	3433.1
Jan-98	11.1	3238.6
Feb-98	10.4	3055.1
Mar-98	9.7	2882.0
Apr-98	9.1	2718.7
May-98	8.5	2564.6
Jun-98	8.0	2419.3
Jul-98	7.4	2282.2
Aug-98	6.9	2152.9
Sep-98	6.5	2030.9
Oct-98	6.1	1915.8
Nov-98	5.7	1807.2
Dec-98	5.3	1704.8
Jan-99	5.0	1608.2
Feb-99	4.6	1517.1
Mar-99	4.3	1431.1
Apr-99	4.0	1350.0
May-99	3.8	1273.5
Jun-99	3.5	1201.4
Jul-99	3.3	1133.3
Aug-99	3.1	1069.1
Sep-99	2.9	1008.5
Oct-99	2.7	951.4
Nov-99	2.5	897.5

Date	Oil BOPM	Gas MCF/Mo
Dec-99	2.4	846.6
Jan-00	2.2	798.6
Feb-00	2.1	753.4
Mar-00	1.9	710.7
Apr-00	1.8	670.4
May-00	1.7	632.4
Jun-00	1.6	596.6
Jul-00	1.5	562.8
Aug-00	1.4	530.9
Sep-00	1.3	500.8
Oct-00	1.2	472.4
Nov-00	1.1	445.7
Dec-00	1.0	420.4
Jan-01	1.0	396.6
Feb-01	0.0	374.1
Mar-01	0.0	352.9
Apr-01	0.0	332.9
May-01	0.0	314.1
Jun-01	0.0	296.3
Jul-01	0.0	279.5
Aug-01	0.0	263.6
Sep-01	0.0	248.7
Oct-01	0.0	234.6
Nov-01	0.0	221.3
Dec-01	0.0	208.8
Jan-02	0.0	196.9
Feb-02	0.0	185.8
Mar-02	0.0	175.3
Apr-02	0.0	165.3
May-02	0.0	156.0
Jun-02	0.0	147.1
Jul-02	0.0	138.8
Aug-02	0.0	130.9
Sep-02	0.0	123.5
Oct-02	0.0	116.5
Nov-02	0.0	109.9
Dec-02	0.0	103.7
Jan-03	0.0	97.8
Feb-03	0.0	92.3
Mar-03	0.0	87.0
Apr-03	0.0	82.1
May-03	0.0	77.4
Jun-03	0.0	73.1

Date	Oil BOPM	Gas MCF/Mo
Jul-03	0.0	68.9
Aug-03	0.0	65.0
Sep-03	0.0	61.3
Oct-03	0.0	57.9
Nov-03	0.0	54.6
Dec-03	0.0	51.5
Jan-04	0.0	48.6
Feb-04	0.0	45.8
Mar-04	0.0	43.2
Apr-04	0.0	40.8
May-04	0.0	38.5
Jun-04	0.0	36.3
Jul-04	0.0	34.2
Aug-04	0.0	32.3
Sep-04	0.0	30.5
Oct-04	0.0	28.7
Nov-04	0.0	27.1
Dec-04	0.0	25.6
Jan-05	0.0	24.1
Feb-05	0.0	22.7
Mar-05	0.0	21.5
Apr-05	0.0	20.2
May-05	0.0	19.1
Jun-05	0.0	18.0
Jul-05	0.0	17.0
Aug-05	0.0	16.0
Sep-05	0.0	15.1
Oct-05	0.0	14.3
Nov-05	0.0	13.5
Dec-05	0.0	12.7
Jan-06	0.0	12.0
Feb-06	0.0	11.3
Mar-06	0.0	10.7
Apr-06	0.0	10.1
May-06	0.0	9.5
Jun-06	0.0	8.9
Jul-06	0.0	8.4
Aug-06	0.0	8.0
Sep-06	0.0	7.5
Oct-06	0.0	7.1
Nov-06	0.0	6.7
Dec-06	0.0	6.3
Jan-07	0.0	5.9

Madera 33 F.C. No. 1
Production Projection Before Workover Continued

Date	Oil BOPM	Gas MCF/Mo
Feb-07	0.0	5.6
Mar-07	0.0	5.3
Apr-07	0.0	5.0
May-07	0.0	4.7
Jun-07	0.0	4.4
Jul-07	0.0	4.2
Aug-07	0.0	4.0
Sep-07	0.0	3.7
Oct-07	0.0	3.5
Nov-07	0.0	3.3
Dec-07	0.0	3.1
Jan-08	0.0	3.0
Feb-08	0.0	2.8
Mar-08	0.0	2.6
Apr-08	0.0	2.5
May-08	0.0	2.3
Jun-08	0.0	2.2
Jul-08	0.0	2.1
Aug-08	0.0	2.0
Sep-08	0.0	1.9
Oct-08	0.0	1.7
Nov-08	0.0	1.6
Dec-08	0.0	1.6
Jan-09	0.0	1.5
Feb-09	0.0	1.4
Mar-09	0.0	1.3
Apr-09	0.0	1.2
May-09	0.0	1.2
Jun-09	0.0	1.1
Jul-09	0.0	1.0
Aug-09	0.0	1.0
Sep-09	0.0	0.0


Workover
Base Prod.
Proj. Data
Workover
MADERA 33 FEDERAL CO ¦ 1 ¦ PITCHFORK RANCH
Prop 468
OIL /m
GAS /m
OIL/GAS
WATER /m
RateTime
Semi Log
WATER
OIL/GAS
GAS
OIL
1e+07
1000
100000
1000
1e+06
100
10000
100
93
94
95
96
97
98
Major = GAS

MADERA 33 FEDERAL COM NO. 1
SW/4,NW/4,Sec.33,T-24-S,R-34-E
2,310' FNL & 660' FWL
LEA Co., NM
Start Date: 09/11/94

ENRON OIL & GAS COMPANY
DEV W/O: 0'

EOG%: 51.1450% WI 0.4248% NRI
AFE No.: 10-1027
DHC: 0; CWC: 57,700

05/19/96 SITP 1800 psi. 22 hrs MI&RU HES WL unit. RU up grease head & RIH with tbg punch & perf 2-3/8" tbg @ 12,498' with .30" hole & .40 hole @ 12,492'. SITP remained stable @ 1800 psi after perforating tbg & 7" x 2-3/8" annulus on slight vacuum. POOH with guns & RD HES. Bled off tbg pressure to 700 psi. MI&RU CU CUDD 1-1/4" CT unit. RIH with tbg to 12,000' pumping 400 SCFM N2. Found fluid level @ 8,700', jet well for 30 min @ 10,000', 11,000' & 12,000' & recovered 20 BW. POOH to 11,000' & jet well for 15 min @ 400 SCFPM, POOH to 10,000' & jet for 1 hr. CT press decreased from 1250 psi to 1150 psi. Start injection 400 SCFPM N2 down annulus. Decrease N2 on CT to 200 SCF & POOH to 4,000' with CT & jet well for 2-1/2 hrs. Csg press increased to 850 psi with good show of gas from tbg. Well would not flow. POOH with CT. Increase N2 to 600 SCFPM on annulus & press increased to 1250 psi & well did not flow. Shut down & shut annulus in and displace wtr out of tbg with N2. Resume pumping N2 down annulus & flow down tbg & recover 15 BW. Inject for 2 hrs on annulus & well did not flow. Shut in annulus & displace wtr out of tbg with N2 by press tbg to 1300 psi. Resume pumping on annulus & flow down tbg. Annulus press dropped from 1250 psi to 950 psi. Start injecting gas with compressor & cut off N2. Currently displacing N2 with gas to start well on sales. Pumping 900 MCFPD CP 950 psi & FTP 100 psi on open chk. Will put to sales a.m. DWC $46,945. CWC $46,945.

05/20/96 2 hrs finish displacing N2 with gas. CP 950 psi & FTP increase from 100 to 125 psi on open chk. 6 hrs put well on sales. Injecting 950 MCFPD down annulus with 950 psi inj pressure & tbg on sales @ 1125 MCFPD. Recovering approx 4 BW/hr FTP 190 psi. 2 hrs compressor down and well off line. Shut well in. Will displace tbg with gas this a.m. & start injecting foamer. DWC $1,075. CWC $48,020.

MADERA 33 FEDERAL COM NO. 1
SW/4,NW/4,Sec.33,T-24-S,R-34-E
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LEA Co., NM
Start Date: 09/11/94

ENRON OIL & GAS COMPANY
DEV W/O: 0'

EOG%: 51.1450% WI 0.4248% NRI
AFE No.: 10-1027
DHC: 0; CWC: 57,700

05/21/96 8 hrs Well was open to tank with no flow, SICP 750 psi. 6 hrs Well open to tank. RU foam injector pump & lines & set supply tank. Repair fan motor & prep compressor. 10 hrs MI&RU HES N2 equipment & kill truck. Pump 15 gals foamer down 7" x 2-3/8" annulus & flush with 10 BTW & pump 5 gals foamer down 2-3/8" tbg & flush with 3 BTW. Inject N2 down tbg @ 450 SCFPM & SITP inc from 0 psi to 1000 psi/30 min. Cont pump with N2 @ 400 SCFPM/20 min down tbg to void tbg of water. SITP inc to 1050 psi. Stopped injecting down tbg and left it SI. Inject N2 down annulus @ 1000 SCFPM & pump 10 gal foam with N2 for 1 hr. Csg increase from 950 psi to 1250 psi. Opened tbg on 3/4" chk. FTP decreased from 1050 to 800 psi in 30 min, csg decreased from 11,250 to 1050 psi. Shut down N2 & inject gas down annulus @ 975 MCFD, csg pressure decrease from 1025 psi to 950 psi/3 hrs & rec 40 BW. Csg pressure inc from 950 psi to 1100 psi/2 hrs & rec 15 BW. Shut down compressor @ 1100 psi. Had good gas blow from tbg, but no water. Kept csg shut in & displace tbg with N2 @ 700 SCFPM/30 min. SITP inc from 100 psi to 1100 psi. SI tbg & pump N2 down annulus @ 700 SCFPM for 30 min & csg press increased from 1100 psi to 1250 psi. Open tbg on 3/4" chk tbg from 1100 psi to 200 psi/30 min. Flow well to open tank. Have rec 115 bbls brine water of 425 bbls of annulus volume when tbg was perforated. TLTR 310 BLW. DWC $4,940. CWC $52,960.

05/22/96 1 hr circ N2 @ 600 SCFPM down annulus CP from 1250 to 1000 psi. FTP 200 psi on 3/4" chk Rec 10 BW. 5-1/2 hrs shut down N2 & circ with 900 MCFPD gas down annulus CP increased from 1000 to 1100 psi. FTP 100 psi rec 40 BW. 1 hr Put well thru production equipment. CP increased from 1100 to 1120 psi & FTP from 100 to 150 psi on full open choke. Compressor injecting 875 MCFPD & selling 1700 MCFPD & rec 2 BW. Compressor temp inc. from 320 to 820 deg shut compressor down & shut csg in. 1 hr HES pump N2 down tbg @ 1000 SCFPM for 30 min, tbg pressure increased from 150 psi to 1250 psi. Shut tbg in. Pump N2 down annulus @ 1000 SCFPM for 30 min, CP increased from 1150 psi to 1450 psi. 14-1/2 hrs open to tank on 3/4" chk, FTP from 1250 psi to 100 psi/30 min, continue to pump N2 down annulus @ 600 SCFPM & CP decreased from 1450 to 1000 psi & rec 10 BW. RD & MO HES N2 equipment. Inject 700 MCFPD with compressor down annulus. CP from 1000 psi to 1020 psi, FTP 100 psi to 140 psi. Rec 180 BW. Currently injecting 610 MCFPD compressor temp 260 deg, FTP 140 psi, recovering 15-20 BWPH. Est 12,00 MCFD rate. Recovered 240 BW/24 hrs. Have rec 355 BW from annulus volume of 425 BW when tbg was perforated. TLTR 70 BW. DWC $6,831. CWC $59,791.

05/23/96 24 hrs flowing to tnak on a 64/64" chk with 100 psi FTP, recovered 260 BW, and estimte 1,000 MCFD. 24 hrs injecting 606 MCFD down annulus with 1075 psi injection pressure. CWC $59,791.

MADERA 33 FEDERAL COM NO. 1
SW/4,NW/4,Sec.33,T-24-S,R-34-E
2,310' FNL & 660' FWL
LEA Co., NM
Start Date: 09/11/94

ENRON OIL & GAS COMPANY
DEV W/O: 0'

EOG%: 51.1450% WI 0.4248% NRI
AFE No.: 10-1027
DHC: 0; CWC: 57,700

05/24/96 24 hrs flow to sales 968 MCFG on a 64/64" chk with 175 psi FTP. Injected 608 MCFG at 1150 psi down the annulus. Had net sales 360 MCFG and recovered 232 BW. CWC $59,791.

05/28/96

Date	Flow Hrs	Sales, MCFG Net	Inj	Total	BC	BW	CHK	FTP	Inj Press
5/24	24	360	608	968	0	232	1"	175	1100
5/25	24	475	495	970	0	321	1"	180	1120
5/26	24	538	486	1024	0	314	1"	180	1100
5/27	24	747	503	1250	0	411	1"	200	1075
5/28	24	822	612	1434	0	522	1"	190	1075
5/29	24	811	611	1422	0	295	1"	200	1075
5/30	24	1057	616	1673	0	526	1"		

06/04/96 This Morrow well was flowing 1,100 MCFD and 400 BWPD in February, but then loaded up and died. Single point gas injection was implemented to return this well to producing status. The 2-3/8" production tubing was peforated above the packer and a compressor was installed to inject gas down the 2-3/8" x 7" annulus. The well is now producing 1050 MCFD and 400 BWPD. The estimated cost of this workover is $61,000 compared to the AFE amount of $57,700.

FINAL REPORT