

District I - (505) 393-6161

PO Box 1980

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

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

Originated 11/1/95

Submit Original

Plus 2 Copies

to appropriate

District Office

H-0235

1/8 1/22

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 CONSERVATION DIVISION.

- I. Operator: Marathon Oil Company OGRID #: 14021
Address: P. O. Box 552 - Midland, Texas 79702
Contact Party: Richard E. Pollard Phone #: (915) 687-8326
- II. Name of Well: Warn State A/C 2 No. 9 API #: 30 025 03083
Location of Well: Unit Letter M, 330 Feet from the S line and 914.3 feet from the W line,
Section 6, Township 18-S, Range 35-E, NMPM, Lea County
- III. Date Workover Procedures Commenced: November 17, 1996
Date Workover Procedures were Completed: December 7, 1996
- IV. Attach a description of the Workover Procedures undertaken to increase the production from the Well.
- 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: Abo and Drinkard
- VII. AFFIDAVIT:

State of Texas)
) ss.
County of Midland)

Richard E. Pollard, 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.
Restoration Project.
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.

Richard E. Pollard
(Name)

Senior Government Compliance Representative
(Title)

JAN 08 1997

SUBSCRIBED AND SWORN TO before me this 6th day of Jan, 1997.
Lee Lerby
Notary Public

My Commission expires: 8-5-2000

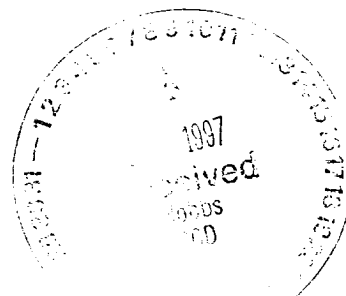
FOR OIL CONSERVATION DIVISION USE ONLY:

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 12-7-96, 19 .

Paul G. Hunt
District Supervisor, District 1 Geologist
Oil Conservation Division
Date: 1/22/97

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



WARN STATE A/C 2 NO. 9
DESCRIPTION OF WORKOVER PROCEDURE
(11/17/96 - 12/7/96)

PURPOSE: Reperforate and recomplete Abo Tidal Flats.

1. Cut tubing at 7767', pulled tubing and anchor.
2. Ran tubing bailer and cleaned out to 8736'.
3. Perforated Abo reef 8422' to 8702' and 8390' to 8102'.
4. Set wire line. set RBP at 8420', ran RBP with packer and tubing, set second RBP at 8410'.
5. RU Halliburton and set packer 8080', acidized well with 28,152 gallons 20% ferchek SC acid, dropped 600 ball sealers.
6. RU swab line, swabbed spent acid back.
7. Tripped tubing and retrieved both RBP's.
8. Ran and set RBP with tubing at 8710' and packer at 8620'.
9. Acidized well with 3500 gallons 15% ferchek acid.
10. Retrieved RBP and set 8620' with packer, set at 8530'.
11. Acidized interval with 5000 gallons 15% ferchek SC acid.
12. RU swab line and swabbed spent acid back.
13. Pulled packer and RBP, ran production tubing and rods.

h:\rep\WOPWarn9

WARN STATE A/C 2 WELL NO. 9
BASIS OF PRODUCTION PROJECTION

The production projection was based on decline curve analysis using Aries PC program and the following parameters:

Gas:

Start of history match:	July 1991
End of history match:	October 1993
Projection method:	Exponential decline using auto fit method
Bad data removed:	None

Oil:

Start of history match:	July 1991
End of history match:	December 1992
Projection method:	Exponential decline using auto fit method
Bad data removed:	None

h:\rep\PPWarn9

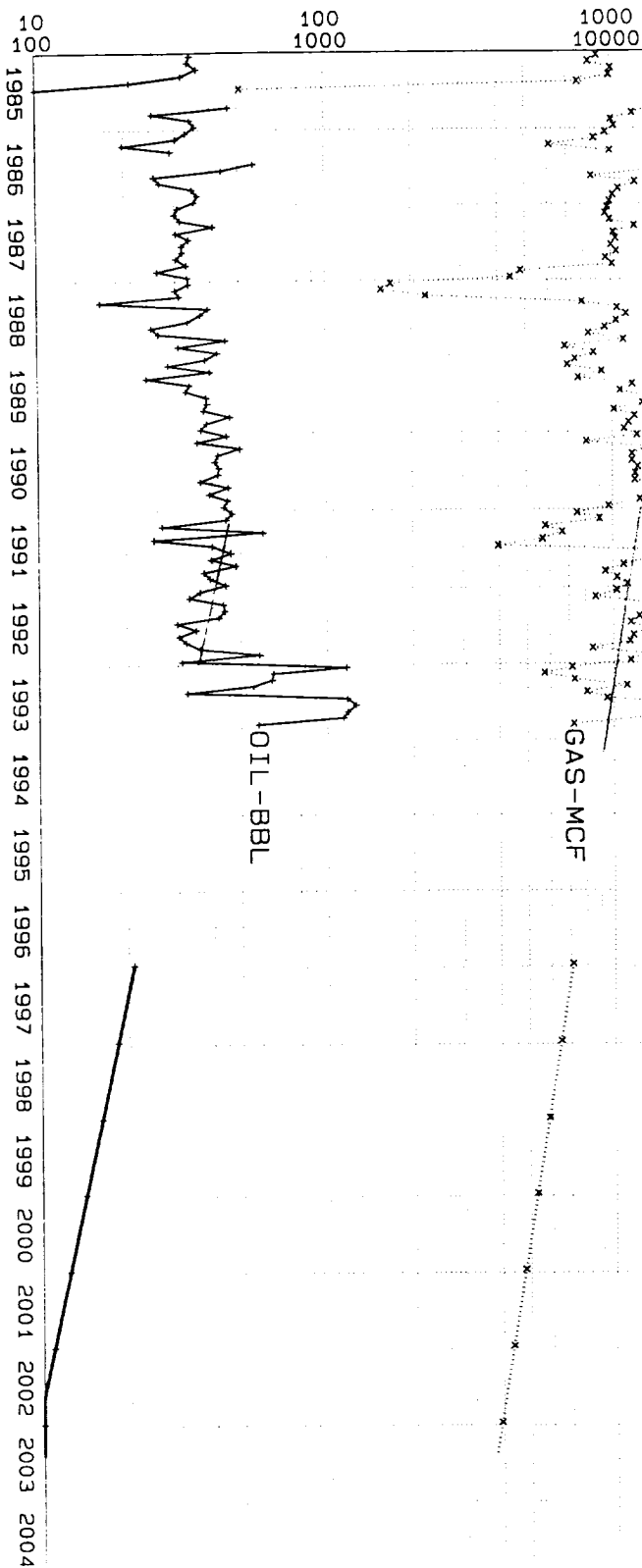
GAS-MCF
OIL-BBL

WARN STATE AC 2
FIELD : VACUUM
COUNTY: LEA
OPERATOR: MARATHON OIL COMPANY

STATE : NM

WELL NO. 9

OIL →
GAL=DEFAULT
Ref= 12/96
Cum= 410.019
Rem= 11.038
EUR= 421.057
YRS= 6.500
Q1= 210.0
De= 12.227
n= .000
Gab= 90.0
GAS x
GAL=DEFAULT
Ref= 12/96
Cum= 1100.506
Rem= 41.118
EUR= 1141.624
YRS= 6.500
Q1= 714.8
De= 9.421
n= .000
Gab= 375.7



DATE

Combined Obo & Downhole

WARN STATE AC 2 WELL NO. 9
API NO. 30025030830000
VACUUM FIELD
LEA COUNTY , NM

DATE: 12/18/96
TIME: 10:23:50
PAGE: 1
MOCSE.DBS

P R O D U C T I O N F O R E C A S T

DATE	OIL / COND	GAS
PRIOR	0	0
1/97	207	706
2/97	204	700
3/97	202	694
4/97	200	689
5/97	198	683
6/97	196	677
7/97	194	672
8/97	191	666
9/97	189	661
10/97	187	656
11/97	185	650
12/97	183	645
TOT/97	2337	8100
1/98	181	639
2/98	179	634
3/98	177	629
4/98	175	624
5/98	174	619
6/98	172	614
7/98	170	609
8/98	168	604
9/98	166	599
10/98	164	594
11/98	163	589
12/98	161	584
TOT/98	2051	7337
1/99	159	579
2/99	157	574
3/99	156	570
4/99	154	565
5/99	152	560
6/99	151	556
7/99	149	551
8/99	147	547
9/99	146	542
10/99	144	538
11/99	143	533
12/99	141	529
TOT/99	1800	6645
TOTAL	6188	22082

WARN STATE AC 2 WELL NO. 9
API NO. 30025030830000
VACUUM FIELD
LEA COUNTY , NM

DATE: 12/18/96
TIME: 10:23:55
PAGE: 2
MOCSE.DBS

P R O D U C T I O N F O R E C A S T

DATE	OIL / COND	GAS
PRIOR	6188	22082
1/00	140	525
2/00	138	520
3/00	137	516
4/00	135	512
5/00	134	508
6/00	132	503
7/00	131	499
8/00	129	495
9/00	128	491
10/00	127	487
11/00	125	483
12/00	124	479
TOT/00	1580	6019
1/01	123	475
2/01	121	471
3/01	120	467
4/01	119	464
5/01	117	460
6/01	116	456
7/01	115	452
8/01	114	449
9/01	112	445
10/01	111	441
11/01	110	438
12/01	109	434
TOT/01	1387	5452
1/02	108	430
2/02	106	427
3/02	105	423
4/02	104	420
5/02	103	417
6/02	102	413
7/02	101	410
8/02	100	406
9/02	99	403
10/02	98	400
11/02	97	396
12/02	95	393
TOT/02	1217	4939
TOTAL	10372	38492

WARN STATE AC 2 WELL NO. 9
API NO. 30025030830000
VACUUM FIELD
LEA COUNTY , NM

DATE: 12/18/96
TIME: 10:23:59
PAGE: 3
MOCSE.DBS

P R O D U C T I O N F O R E C A S T

DATE	OIL / COND	GAS
-----	-----	-----
PRIOR	10372	38492
1/03	94	390
2/03	93	387
3/03	92	384
4/03	91	380
5/03	90	377
6/03	0	0
7/03	0	0
8/03	0	0
9/03	0	0
10/03	0	0
11/03	0	0
12/03	0	0
-----	-----	-----
TOT/03	462	1918
TOTAL	10834	40410