

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
817 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV

New Mexico
Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131
H-0528

Form C-14
Originated 11/1/9

Submit Original
Plus 2 Copies
to appropriate
District Office

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: MARALO, INC. OGRID #: 014007
Address: P. O. BOX 832, MIDLAND, TX 79702
Contact Party: DOROTHEA LOGAN Phone: (915) 684-7441
- II. Name of Well: LOME 20 #1 API #: 30-025-32860
Location of Well: Unit Letter B, 350 Feet from the NORTH line and 1550 feet from the EAST line,
Section 20, Township 13S, Range 38E, NMPM, LEA County
- III. Date Workover Procedures Commenced: MARCH 20, 1998
Date Workover Procedures were Completed: MARCH 31, 1998
- 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: BRONCO; WOLFCAMP, SOUTHWEST
- VII. AFFIDAVIT:
State of TEXAS)
County of MIDLAND) ss.

RICHARD A. GILL, being first duly sworn, upon oath states:

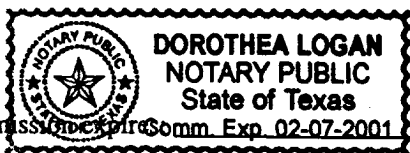
1. I am the Operator or authorized representative of the Operator of the above referenced Well.
2. I have made, or caused to be made, a diligent search of the production records which are reasonably available and contain information relevant to the production history of this Well.
3. To the best of my 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.

RICHARD A. GILL
(Name)

PETROLEUM ENGINEER

(Title)

SUBSCRIBED AND SWORN TO before me this 3RD day of FEBRUARY, 1999.



Dorothea Logan
Notary Public

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 3-31, 1998.

Paul J. Harty
District Supervisor, District 1
Oil Conservation Division

Date: 2/9/99

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

DATE: _____

2
Received
Date
0-0

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-025-32860	
5. Indicate Type of Lease STATE ☐ FEE ☒	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name LOWE 20	
8. Well No. 1	
9. Pool name or Wildcat BRONCO; WOLFCAMP, SOUTHWEST	

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:
OIL WELL ☒ GAS WELL ☐ OTHER

2. Name of Operator
MARACO, INC.

3. Address of Operator
P. O. BOX 832, MIDLAND, TX 79702

4. Well Location
Unit Letter **B** : **350** Feet From The **NORTH** Line and **1550** Feet From The **EAST** Line

Section **20** Township **13S** Range **38E** NMPM **LEA** County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3827' GR

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐		CASING TEST AND CEMENT JOB ☐	
OTHER: ☐		OTHER: OPEN ADDITIONAL WOLFCAMP PAY	☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

SEE ATTACHED REPORT:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Dorothea Logan* TITLE **REGULATORY ANALYST** DATE **APRIL 20, 1998**
TYPE OR PRINT NAME **DOROTHEA LOGAN** TELEPHONE NO. **(915) 684-7441**

(This space for State Use)

ORIGINAL SIGNED BY CHRIS WILLIAMS
DISTRICT I SUPERVISOR

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

MAY 05 1998

LOWE "20" #1

RECOMPLETION OPERATION - OPEN ADDITIONAL WOLFCAMP PAY

- 03/20/98 MOVE UP HOLE FOR RECOMPLETION. RU PULLING UNIT. POH W/RODS. ND WELLHEAD. NU BOP. UNSET TBG ANCHOR.. RIH, TAGGED BTM W/TBG. POH W/ TBG.
- 03/23/98 RU WL. PU 5-1/2" CMT RETAINER ON WIRE-LINE & RIH. CORRELATE & SET AT 9750' WL DEPTH. RU HYDROSTATIC TBG TESTERS. TAGGED UP & STING INTO RETAINER @ 9716'. PO OF RETAINER & CIRC HOLE CLEAN W/2% KCL WTR. ESTABLISH RATE OF RETAINER 3 BPM @ 100 PSI. PRESSURED B/S 1000 PSI & HELD OK.
- 03/24/98 RU HALLIBURTON. PRESS B/S TO 500#, MIX & PUMP 200 SXS CL. "H" NEAT CMT. PUMP 30 BBLs FLUSH & SD. UNABLE TO SQUEEZE. PUMP AWAY CMT & OVER DISPLACED W/20' BBLs KCL INTO FORMATION. MIX & PUMP 20 BBLs FW W/2% CACL2 + 10 BBLs FW SPACER + 200 SXS CLASS "H" NEAT CMT + 30 BBLs FLUSH & SD. WELL ON VACUUM @ 1/2 BPM. UNABLE TO SQUEEZE. PUMP AWAY CMT AND OVER DISPLACED W/5 BBLs KCL INTO FORMATION. STING OUT OF RETAINER. SPOTTED 200 SXS OF CLASS "H" NEAT CMT TO RETAINER. STUNG BACK INTO RETAINER & PUMPED 20 BBLs OF FLUSH & SD. WELL TOOK REST OF CMT ON VACUUM AT 6-10 BPM. PUMPED AWAY CMT INTO FORMATION @ 1.54 BPM @ 850 PSI. SD. PRESSURE TO -0- IN 5 MINS. STING OUT OF RETAINER & REVERSED 80 BBLs OUT TBG TO ENSURE TBG CLEAR. STUNG BACK INTO RETAINER. SWI.
- 03/25/98 PRESSURE BACKSIDE TO 1000 PSI & HELD. ESTABLISH INJECTION @ 1-3/4 BPM @ 500 PSI. STUNG OUT OF RETAINER. SPOT 20 BBLs OF WTR W/CACL2 + 5 BBLs FRESH WTR + 100 SXS CL. "H" NEAT CMT W/ 1% CACL2 + 100 SXS OF CL. "H" NEAT CMT. STUNG INTO RETAINER. FORMATION STOPPED TAKING CMT ON VACUUM. SD & PRESSURE HELD. PO OF CMT RETAINER. ATTEMPT TO REVERSE CMNT. PU 200 PSI ON BACKSIDE. UNABLE TO REVERSE CMT OUT OF TBG. POH W/TBG STANDING BACK 258 JTS L-80 2-7/8" TBG.
- 03/26/98 RU APOLLO WL. RIH W/GAMMA RAY. TAGGED UP @ 9704'. BTM PERF TO BE SHOT @ 9740'. RD WL. RIH W/4 5/8" BIT + BIT SUB + 6 3-1/2" DC'S + CHANGE-OVER + 302 JTS 2-7/8" 6.5# TBG. SWI.
- 03/27/98 RU REVERSE UNIT & SWIVEL. DRLD OUT CMT & CMT RETAINER DOWN TO 9742' WLTD. TESTED SQUEEZE TO 600 PSI & CSG HELD. CIRC'D HOLE W/ KCL WTR. RD SWIVEL & REVERSE UNIT POH W/TBG UP TO 9740'. SWI.
- 03/30/98 RU PETROPLEX ACIDIZING. SPOTTED 300 GALS 15% NEFE ACID FROM 9740-9720'. POH W/TBG, RU APOLLO WL. RIH W/5-1/2" CIBP & SET @ 9749' WL DEPTH, 9754' TBG TALLEY. NEW PBTD. RIH W/4" CARRIER GUNS W/PREMIUM CHARGES ON 2 RUNS SHOOTING 2 JSPF @ 9685-9704', 9725-9730', 59 HOLES. RD WL.
- 03/31/98 14 HR SITP 350 PSI. RIH W/243 JTS 2-7/8" TBG, 303 JTS TOTAL IN HOLE. SET PKR @ 9582'. TESTED BACKSIDE TO 1000 PSI & HELD. SWAB & EVALUATE.
- 04/01/98 WELL FLOWING TO BATTERY ON 18/64" CHOKE.

State ID: Lease: 1997
01-B-20-13S-38E Lowe "20"

Co #:31052 Comingle #:0007

Month		Oil Prod	Oil Runs	Production Day +/-	Gas Prod	Gas Other	Mcf Sold	Water
Jan	X	1367	1397	44.10 -14.74	2185	0	2185	4974
Feb	X	830	913	29.64 -14.45	1337	0	1337	4483
Mar	X	1666	1397	53.74 24.10	2541	0	2541	7381
Apr	X	775	913	25.83 -27.91	1530	0	1530	6672
May	X	893	823	28.81 2.97	1506	0	1506	7834
Jun	X	479	507	17.11 -11.70	1249	0	1249	5414
Jul	X	587	564	18.94 1.83	899	0	899	4006
Aug	X	634	730	20.45 1.52	486	0	486	3742
Sep	X	291	306	9.70 -10.75	203	0	203	3340
Oct	X	639	689	20.61 10.91	263	0	263	5990
Nov	X	626	531	20.87 0.25	132	0	132	4688
Dec	X	479	505	15.45 -5.42	411	0	411	5363
Avg		772	773	25.44 -3.62	1062	0	1062	5324
Avg On		772	773	25.44 -3.62	1062	0	1062	5324

Oil Yr.....9266 Cum.....50007 Water Yr.....63887 Paid...17024
Gas Yr.....12742 Cum.....65800 Other Yr.....0 Paid...28916

14.650....28194 State ID:

01-B-20-13S-38E Lowe "20"

1998

Co #:31052 Comingle #:0007

Month		Oil Prod	Oil Runs	Production Day +/-	Gas Prod	Gas Other	Mcf Sold	Water
Jan	X	226	197	7.29 -8.16	45	0	45	5107
Feb	X	82	78	2.93 -4.36	0	0	0	1687
Mar	X	140	160	140.00 137.07	14	0	14	33
Apr	X	3397	3506	113.23 -26.77	4784	0	4784	633
May	O	2845	2519	91.77 -21.46	3948	0	3948	1388
Jun	*	1562	1705	52.07 -39.71	2445	0	2445	1315
Jul		1743	1801	60.10 8.04	3656	0	3656	1242
Aug		1696	1862	54.71 -5.39	3655	0	3655	850
Sep		1635	1562	54.50 -0.21	3714	0	3714	572
Oct		1671	1897	53.90 -0.60	3699	0	3699	585
Nov		1540	1187	51.33 -2.57	3309	0	3309	449
Dec		1127	1075	36.35 -14.98	3304	0	3304	287
Avg		1472	1462	59.85 1.74	2714	0	2714	1179
Avg On		1472	1462	59.85 1.74	2961	0	2961	1179

Oil Yr.....17664 Cum.....67666 Water Yr.....14148 Paid....6735
Gas Yr.....32573 Cum.....98373 Other Yr.....0 Paid...10940

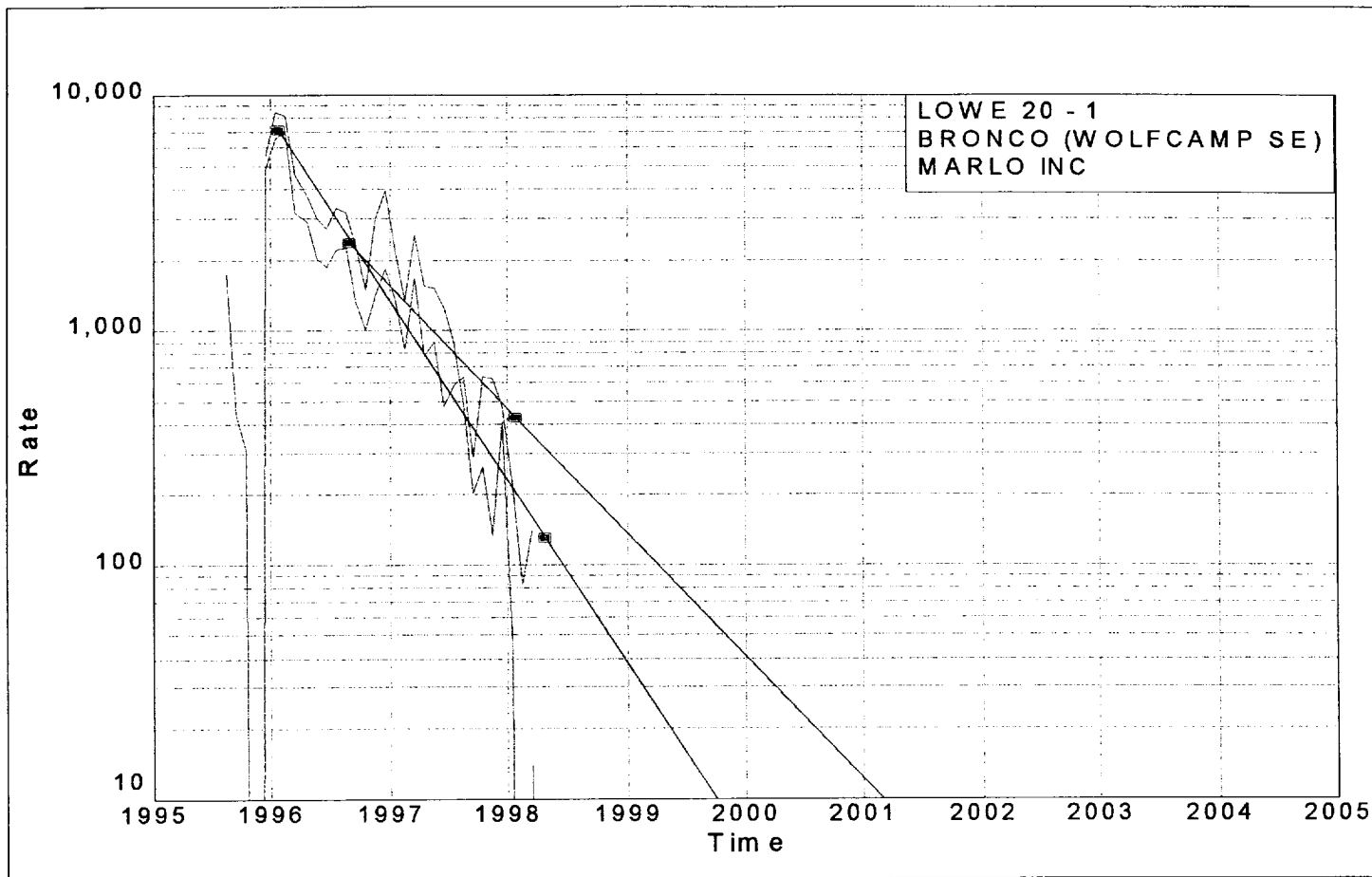
14.650....10667

Lifetime Monthly Production Forecast Report

Project: C:\DWIGHTS\ptools30\PROJECTS\misc.MDB

Lease Name: LOWE 20 (1)
 County, ST: LEA, NM
 Location: 13S-38E-20

Field Name: BRONCO (WOLFCAMP SE)
 Operator: MARLO INC



Date	Oil (bbl)	Gas (mcf)	Water (bbl)	Total Oil (bbl)	Total Gas (mcf)	Total Water (bbl)
03/1998	140	14	33	140	14	33
04/1998	329	139	0	469	153	33
05/1998	298	120	0	767	273	33
06/1998	270	103	0	1,037	376	33
07/1998	244	89	0	1,281	465	33
08/1998	221	77	0	1,501	542	33
09/1998	200	66	0	1,701	608	33
10/1998	181	57	0	1,881	665	33
11/1998	163	49	0	2,045	715	33
12/1998	148	43	0	2,192	757	33
01/1999	134	37	0	2,326	794	33
02/1999	121	32	0	2,447	825	33
03/1999	109	27	0	2,556	853	33
04/1999	99	24	0	2,655	876	33
05/1999	89	20	0	2,745	897	33
06/1999	81	18	0	2,826	914	33
07/1999	73	15	0	2,899	929	33
08/1999	66	13	0	2,965	942	33
09/1999	60	11	0	3,025	954	33
10/1999	54	10	0	3,079	963	33
11/1999	49	8	0	3,128	972	33
12/1999	44	7	0	3,173	979	33

Lifetime Monthly Production Forecast Report

Project: C:\DWIGHTS\ptools30\PROJECTS\misc.MDB

Date	Oil (bbl)	Gas (mcf)	Water (bbl)	Total Oil (bbl)	Total Gas (mcf)	Total Water (bbl)
01/2000	40	6	0	3,213	985	33
02/2000	36	5	0	3,249	990	33
03/2000	33	5	0	3,282	995	33
04/2000	30	4	0	3,311	999	33
05/2000	27	3	0	3,338	1,002	33
06/2000	24	3	0	3,363	1,005	33
07/2000	22	3	0	3,385	1,008	33
08/2000	20	2	0	3,404	1,010	33
09/2000	18	2	0	3,422	1,012	33
10/2000	16	2	0	3,439	1,014	33
11/2000	15	1	0	3,453	1,015	33
12/2000	13	1	0	3,467	1,016	33
01/2001	12	1	0	3,479	1,017	33
02/2001	11	1	0	3,490	1,018	33
03/2001	10	1	0	3,500	1,019	33
04/2001	9	1	0	3,508	1,020	33
05/2001	8	1	0	3,517	1,020	33
06/2001	7	1	0	3,524	1,021	33
07/2001	7	0	0	3,530	1,021	33
08/2001	6	0	0	3,536	1,022	33
09/2001	5	0	0	3,542	1,022	33
10/2001	5	0	0	3,547	1,022	33
11/2001	4	0	0	3,551	1,023	33
12/2001	4	0	0	3,555	1,023	33
01/2002	4	0	0	3,559	1,023	33
02/2002	3	0	0	3,562	1,023	33
03/2002	3	0	0	3,565	1,023	33
04/2002	3	0	0	3,568	1,023	33
05/2002	2	0	0	3,570	1,023	33
06/2002	2	0	0	3,572	1,024	33
07/2002	2	0	0	3,574	1,024	33
08/2002	2	0	0	3,576	1,024	33
09/2002	2	0	0	3,578	1,024	33
10/2002	1	0	0	3,579	1,024	33
11/2002	1	0	0	3,580	1,024	33
12/2002	1	0	0	3,582	1,024	33
01/2003	1	0	0	3,583	1,024	33
02/2003	1	0	0	3,584	1,024	33
03/2003	1	0	0	3,585	1,024	33
04/2003	1	0	0	3,585	1,024	33
05/2003	1	0	0	3,586	1,024	33
06/2003	1	0	0	3,587	1,024	33
07/2003	1	0	0	3,587	1,024	33
08/2003	1	0	0	3,588	1,024	33
09/2003	0	0	0	3,588	1,024	33
10/2003	0	0	0	3,589	1,024	33
11/2003	0	0	0	3,589	1,024	33
12/2003	0	0	0	3,590	1,024	33
01/2004	0	0	0	3,590	1,024	33
02/2004	0	0	0	3,590	1,024	33
03/2004	0	0	0	3,591	1,024	33
04/2004	0	0	0	3,591	1,024	33
05/2004	0	0	0	3,591	1,024	33
06/2004	0	0	0	3,591	1,024	33
07/2004	0	0	0	3,591	1,024	33
08/2004	0	0	0	3,592	1,024	33
09/2004	0	0	0	3,592	1,024	33

Lifetime Monthly Production Forecast Report

Project: C:\DWIGHTS\ptools30\PROJECTS\misc.MDB

Date	Oil (bbl)	Gas (mcf)	Water (bbl)	Total Oil (bbl)	Total Gas (mcf)	Total Water (bbl)
10/2004	0	0	0	3,592	1,024	33
11/2004	0	0	0	3,592	1,024	33
12/2004	0	0	0	3,592	1,024	33
Total:	3,592	1,024	33			