District I · (505) 393-6161 F. O. 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

District IV

TERMINATE .

New Mexico Energy Lanerals and Natural Resources La partment

Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131,

Plus 2 Copies to appropriate District Office 11/4/1/2

Form C-140

Submit Original

Originated 11/1/95

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

OFFIC	E OF THE	E OIL (CONSERVATION	DIVISION.					
l .	Operator	or:	MARALO, INC.		<u>.</u>		_ OGRI	D #:014007	
	Address	s:	P. O. BOX 832	, MIDLAND, TX 7	9702				
	Contact	t Party:	DOROTHEA LOGAL	1		Phone:	(915)	584-7441	
II.	Location	n ofWe	MARALO SV *16 ell: Unit Letter , Township1	<u>L</u> , <u>1748 </u>	eet from the S 35E, NMPM	OUTHline and	#: 30-02 742 LEA	25-29347 feet from the WE County	EST line,
III.	Date Wo	orkove orkove	r Procedures Co r Procedures we	mmenced: re Completed: _	11/13/95 11/27/95				
IV.	Attach a	a desci	ription of the Wo	rkover Procedu	res undertakei	n to increase the	projecti	on 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 wh	ich Production P	rojection is base	ed: VACUUM; D	ELAWARE, MID			
VII.	AFFIDA	AVIT:							
	State of County		EXAS	_)) ss. \					
	•		L_, being first d	- / uly sworn, upon	oath states:				
	1.	l am	the Operator or a	authorized repre	esentative of th	e Operator of th	e above	referenced Well.	
	2.		e made, or causable and contain					ecords which are ell.	reasonably
	3.	To th and a	e best of my kno accurate and this	wledge, the dat projection was	prepared usin	pare the Product g sound petroled RICHARD A. GILL	ion Proje	ection for this Well dering principles.	l is complete
		٠				PETROLEUM ENGIN	EER	•	
					(Title)				

District Supervisor, District Oil Conservation Division

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

DATE:

Aecelas Hupps Hupps

State of New Mexico whmit 3 Copies Form C-103 Energy, Mis. als and Natural Resources Department to Appropriate. Revised 1-1-89 District Office DISTRICT OIL CONSERVATION DIVISION P.O. Box 1980, Hobbs, NM 88240 WELL API NO. P.O. Box 2088 30-025-29347 Santa Fe, New Mexico 87504-2088 P.O. Drawer DD, Artesia, NM 88210 5. Indicate Type of Lease STATE FEE DISTRICT III 1000 Rio Brazos Rd., Aziec, NM 87410 6. State Oil & Gas Lease No. L6 2945 SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A 7. Lease Name or Unit Agreement Name DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) Type of Well: OAS WELL X WELL OTHER MARALO SV "16" STATE 2. Name of Operator 8. Well No. MARALO. INC. 1 3. Address of Operator 9. Pool name or Wildcat P. O. BOX 832, MIDLAND, TX 79702 REEVES; QUEEN, WEST 4. Well Location Unit Letter L: 1748 Feet From The SOUTH 742 Line and WEST _ Feet From The Section 35F Township Range LEA **NMPM** County 10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3931' Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data 11. 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 ABANDONMEN PULL OR ALTER CASING CASING TEST AND CEMENT JOB OTHER: **PLUGBACK** OTHER:___ 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. OPERATION: RECOMPLETE IN QUEEN SAND 11/13/95 PU RBP RETRIEVER TOOL. RIH W/TBG. 40' FILL ON TOP OF RBP a 6187'. RU WIRELINE AND TIH W/CIBP. SET @ +/-6050'. DUMP 35' CEMT ON TOP OF CIBP. TIH W/4" PERF GUN 11/15/95 AND SHOOT 4 SQUEEZE HOLES & 4600'. TIH W/TBG AND PKR SET & 4613. PRESSURE UP ON CSG TO 500 PSI. PRESSURED TBG TO 2500 PSI, NO MOVEMENT. SHOT 4 HOLES @ 3500'. RIH W/TBG & PKR SET @ 3435'. PRESSURE ON CSG TO 500 PSI & TBG TO 2500 PSI, NO MOVEMENT.
DISPLACED HOLE W/2% KCL WTR. SPOT 200 GALS 7-1/2% MUD CLEAN OUT ACID @ 4350'. 11/16/95 RU PERFORATORS USING 4" CARRIER GUNS W/PREMIUM CHARGES, AND SHOOT 2 SPF @ 4340-4350' (22 HOLES). 11/17/95 RU HYDROSTATIC TBG TESTERS AND TESTED IN HOLE ABOVE SLIPS TO 8000 PSI. REVERSE SPOT ACID INTO TBG AND SET PKR @ 4202'. BREAKDOWN PERFS BY PUMPING AWAY SPOT ACID. CONTINUE TREATMENT OF PERFS BY PUMPING 500 GALS 7-1/2% MUD CLEAN-OUT ACID CARRYING 40 BALL SEALERS. SWABBED BACK, EVALUATED. FRAC TANKS SET & FILLED W/WATER FOR FRAC JOB. 11/20/95 PRESSURED BACKSIDE @ 2000 PSI. FRAC DOWN TBG W/45,000 GALS HYBOR G3195 GEL CARRYING 94,078#

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

INSTALLED GAS ORIFICE TEST METER.

WELL SHUT IN AWAITING GAS HOOK UP.

STARTED WELL PUMPING.

HAD NEW WELLHEAD BUILT & PUMPING UNIT BALANCED.

SIGNATURE DON'THEA LOGAN

THE REGULATORY ANALYST

DATE DECEMBER 20, 1995

TYPE OR PROT NAME DOROTHEA LOGAN

TELETHOME NO. 915 684-7441

<u> — элтг —</u>

20/40 BROWN SAND. PUMP DOWN TBG @ AVG RATE OF 18.5 BPM @ 5000 PSI.

(This space for State Use)

ORIGINAL SIGNE

11/22/95

11/27/95 12/04/95

12/07/95

ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR

JAN 12 1996

Location 161 18S 35E

Operator MAKALO INC

Reservair DELAWARE

Gas Cum 21.64 mmof

Od Cum 1127 mabbi

Field: MID VACUUM (DELAWARE LDL

Codinity: LIEA, INIM

1 P. Date 19785

Independent of the property of

Dwight's Energydata Inc. Rocky Mountain New Mexico Oil

Run Date: 11/5/96 Published 10/96 (#150,025,18S35E16L00DL)

Operator:	MARALO INC		
Well/Lease Name:	MARALO SV 16 STATE	First Production Date:	10/85
Well #:	1	Last Production Date:	11/95
Location:	16L 18S 35E	Cum. Thru L. P. Date Oil:	112,699
State:	NM		,
District:	002	Cum. Thru L. P. Date Gas:	21,642
County:	LEA		,,
Regulatory #:	43605		
API#:	30-025-2934700		
Field:	MID VACUUM (DELAWARE) DL		
Reservoir:	DELAWARE		
Basin:	PERMIAN BASIN		
Gas Gatherer:	GPMGC		
Liquid Gatherer:	ЕОТЕО		
Status Date:			
Status:	INA		

Jenny 1	Oil Prod	Gas Prod	Water	# of	Days	
Year	BBLS	MCF	BBLS	Wells	On	Allowables
1985	472			1	-	
1986	22,422		157,820	1	364	
1987	28,632		608,510	1	334	
1988	22,866	4,589	1,072,108	1	306	
1989	15,322	4,654	1,157,656	1	365	
1990	15,253	11,192	110,641	1	306	
1991	4,232	497	9,474	1	365	
1992	2,190	697	12,611	1	338	
1993	774	13	16,479	7	365	
1994	348		2,617		249	
1995	188		1,332		170	

Date	Oil Prod	BBLS	Cum. Oil	Gas Prod	Cum. Gas	GOR		%	# of	Days	
MO/YR	BBLS	/Day	Prod. BBLS	MCF	MCF	SCF/BBLS	Water	Water	Wells	On	Allowables
01/95	6	6	112,517				68	91.89		7	
02/95	5	0	112,522			ment of the contract of the contract	93	94.90		28	
03/95	6	Q	112,528				110	94.83		31	
04/95	92	46	112,620				71	43.56		2	
05/95	6	2	112,626				103	94.50		3	
06/95	2	2	112,628				73	97.33		1	
07/95	59	3	112,687				93	61.18		19	
08/95	0	0	112,687				34	100.00		1	
09/95		0	112,690	:		2 2		95.71		28	
10/95 11/95	<u> </u>	- 0	112,696				92	93.88		28	
12/95		U.	112,699				528	99.44		28	
		- · · · ·	112,699				0			0	
Totals	188						1,332			170	
		i									

State ID #: 01-L-16-18S-35E Lease: Maralo SV 16 State
Production History for 1995 - Nets based on current Net Rev. Int. 0.0000000

Month	Oil Prod	Oil Runs	Net Oil	Net Gas	Gas Prod	Gas Other	C115 Vol	Water
Jan	6	0	0	0	0			
Feb	5	0	n	0	0	0	0	68 -
Mar	6	0	0	0	0	U	0	93
Apr	92	0	0	0	0	0	0	110
May	_	0	0	U	.0	0	0	71
	6	0	0	0	0	0	0	103
Jun	2	Ü	0	0	0	0	0	73
Jul	59	0	0	0	0	0	n	93
Aug	0	341	0	0	0	Ō	0	34
Sep	3	0	0	0	n	n	0	
Oct	6	0	0	0	ñ	0	0	67
Nov	3	ñ	ñ	0	0	0	Ü	92
Dec	2	0	0	0	5000	Ü	0	528
500	Oil (Y-T-D):	10	^	/~ \ \	5083	0	5083	320
	•	19		(Cum):	93404		Water (Y	-T-D):
	Gas (Y-T-D):	508	3	(Cum):	28788			1652

State ID #: 01-L-16-18S-35E Lease: Maralo SV 16 State
Production History for 1996 - Nets based on current Net Rev. Int. 0.0000000

Month	Oil Prod	Oil Runs	Net Oil	Net Gas	Gas Prod	Gas Other	Cl15 Vol	Water
Jan Feb Mar Apr May Jun Jul Aug Sep	2 0 0 135 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0 0	13244 9818 10796 11252 10713 9726 8642 9549 9079	0 0 0 0 0 0 0 0 0 0 0 0	13244 9818 10796 11252 10713 9726 8642 9549 9079	192 35 49 45 78 108 34 22 18

Oil (Y-T-D):	137	(Cum):	93541	Water (Y-T-D):
Gas (Y-T-D):	92819	(Cum):	121607	581