

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-101
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address MARALO, INC. P. O. BOX 832 MIDLAND, TX 79702		² OGRID Number 014007
⁴ Property Code 16534	⁵ Property Name LOWE 20	³ API Number 30 - 0 25-33200
		⁶ Well No. 2

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	20	13S	38E		1650	NORTH	1980	EAST	LEA

⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
⁹ Proposed Pool 1 BRONCO; WOLFCAMP, SOUTHWEST					¹⁰ Proposed Pool 2				

¹¹ Work Type Code N	¹² Well Type Code 0	¹³ Cable/Rotary R	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3830'
¹⁶ Multiple NO	¹⁷ Proposed Depth 10,000'	¹⁸ Formation WOLFCAMP	¹⁹ Contractor UNK.	²⁰ Spud Date 12/05/95

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	13-3/8"	54.5#	450' +	500 SXS	SURFACE
12-1/4"	8-5/8"	32#	4250'	1700 SXS HOWCO LT+	SURFACE
				250 SXS CL. "C"	
7-7/8"	5-1/2"	17 & 20#	10000'	COVER PROSPECTIVE	UNK.
				ZONES	

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

1. STAKE LOCATION, BID & BUILD DRILLING PAD, ACCESS ROAD, DIG RESERVE PITS & INSTALL CELLAR & SET 40' OF 20" CONDUCTOR PIPE & CEMENT W/READY MIX CEMENT TO SURFACE.
2. MI & RU DRILLING RIG & DRILL 17-1/2" HOLE TO 450' +. RUN 450' + 13-3/8" 54.50# SURFACE CSG. CMT W/500 SXS CL. "C" CMT W/2% CACL₂. CEMENT CIRCULATE TO SURFACE. WOC 4 HRS. BEFORE CUTTING OFF 13-3/8" CSG & CONDUCTOR PIPE. WELD ON 13-3/8" BRADENHEAD. TEST TO 500#. NU BOP.
3. WOC 12 HRS. BEFORE DRILLING BELOW SURFACE CSG W/12-1/4" BIT TO 4250'. RUN 4250' OF 8-5/8" 32# CSG. CENT VOLUME FROM FLUID CALIPER TO CIRC CEMENT TO SURFACE. SET 8-5/8" SLIP & CUT OFF 8-5/8" CSG. NU BOP. WOC 12 HRS. BEFORE DRILLING OUT BELOW 8-5/8" CSG.
4. DRILL 7-7/8" HOLE TO 10000'. POSSIBLE 3 DST. LOG WELL & EVALUATE. RUN & SET 5-1/2" CSG. CENT TO COVER ALL POSSIBLE PAY ZONES. CLEAN PITS, RELEASE DRG. RIG. CLEAN LOCATION.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Dorothea Logan*
Printed name: DOROTHEA LOGAN
Title: REGULATORY ANALYST
Date: 11/28/95
Phone: (915) 684-7441

OIL CONSERVATION DIVISION	
Approved by: ORIGINAL SIGNED BY JERRY SEXTON	
Title: DISTRICT I SUPERVISOR	
Approval Date: DEC 01 1995	Expiration Date:
Conditions of Approval:	
Attached ☐	

Permit Expires 6 Months From Approval
Date Unless Drilling Underway.

* Approval for drilling only --
CANNOT produce until Non-Standard Location is approved.

DISTRICT I
P.O. Box 1000, Hobbs, NM 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

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

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-33200	Pool Code 96428	Pool Name BRONCO; WOLFCAMP, SOUTHWEST
Property Code 16534	Property Name LOWE 20	Well Number 2
OGRID No. 014007	Operator Name MARALO, INC.	Elevation 3830

Surface Location

UL or lot No. G	Section 20	Township 13 S	Range 38 E	Lot Idn	Feet from the 1650	North/South line NORTH	Feet from the 1980	East/West line EAST	County LEA
---------------------------	----------------------	-------------------------	----------------------	---------	------------------------------	----------------------------------	------------------------------	-------------------------------	----------------------

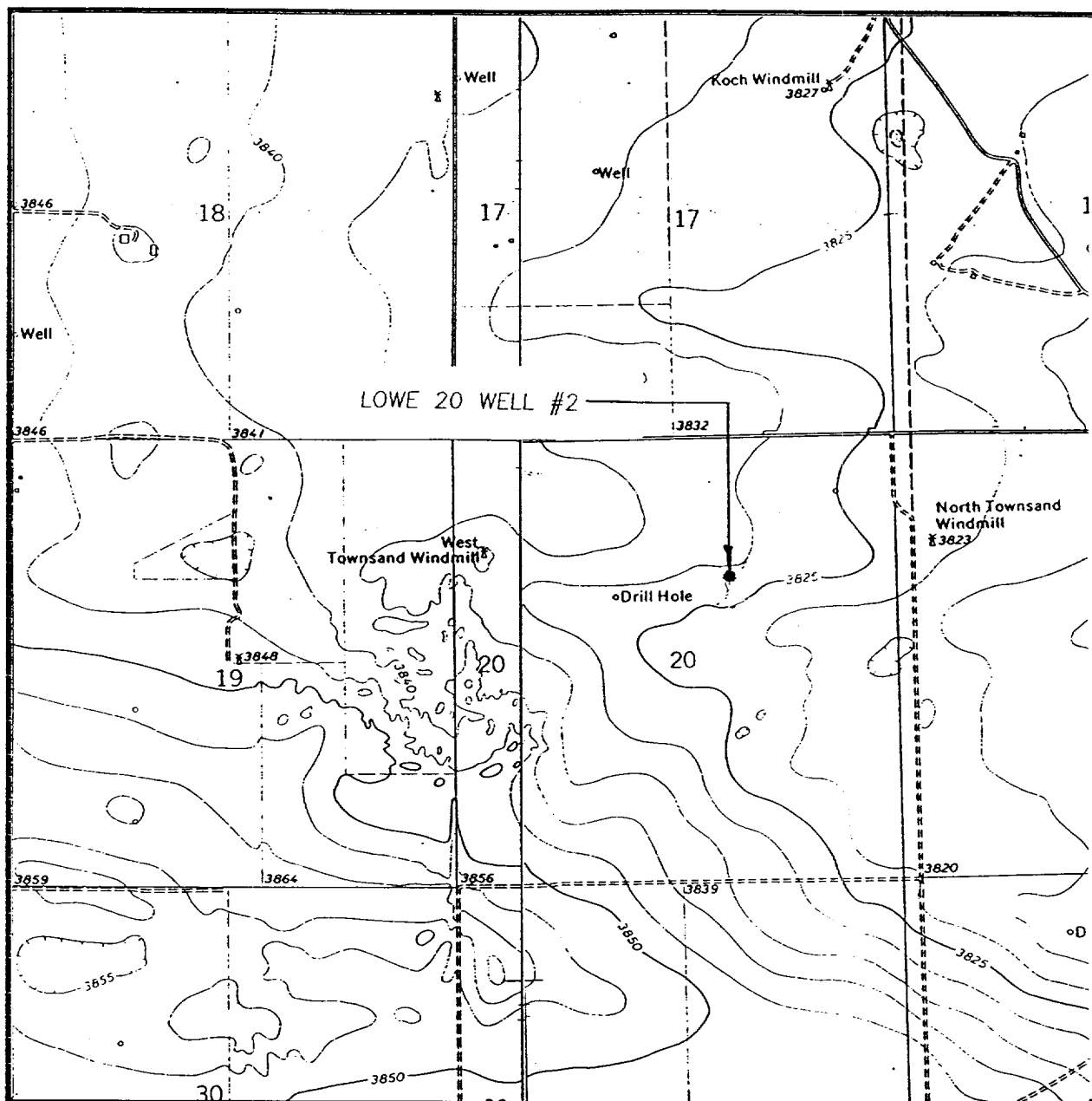
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 80	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature DOROTHEA LOGAN Printed Name REGULATORY ANALYST Title NOVEMBER 27, 1995 Date
	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. OCTOBER 4, 1995 Date Surveyed Signature & Seal of Professional Surveyor RONALD J. EIDSON Professional Surveyor NEW MEXICO 3239 P.O. Num. 85-111515 Certificate No. JOHN W. WEST 676 RONALD J. EIDSON 3239 PROFESSIONAL SURVEYOR 12641

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL - 5'.

SEC. 20 TWP. 13-S RGE. 38-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1650' FNL & 1980' FEL

ELEVATION 3830

OPERATOR MARALO, INC.

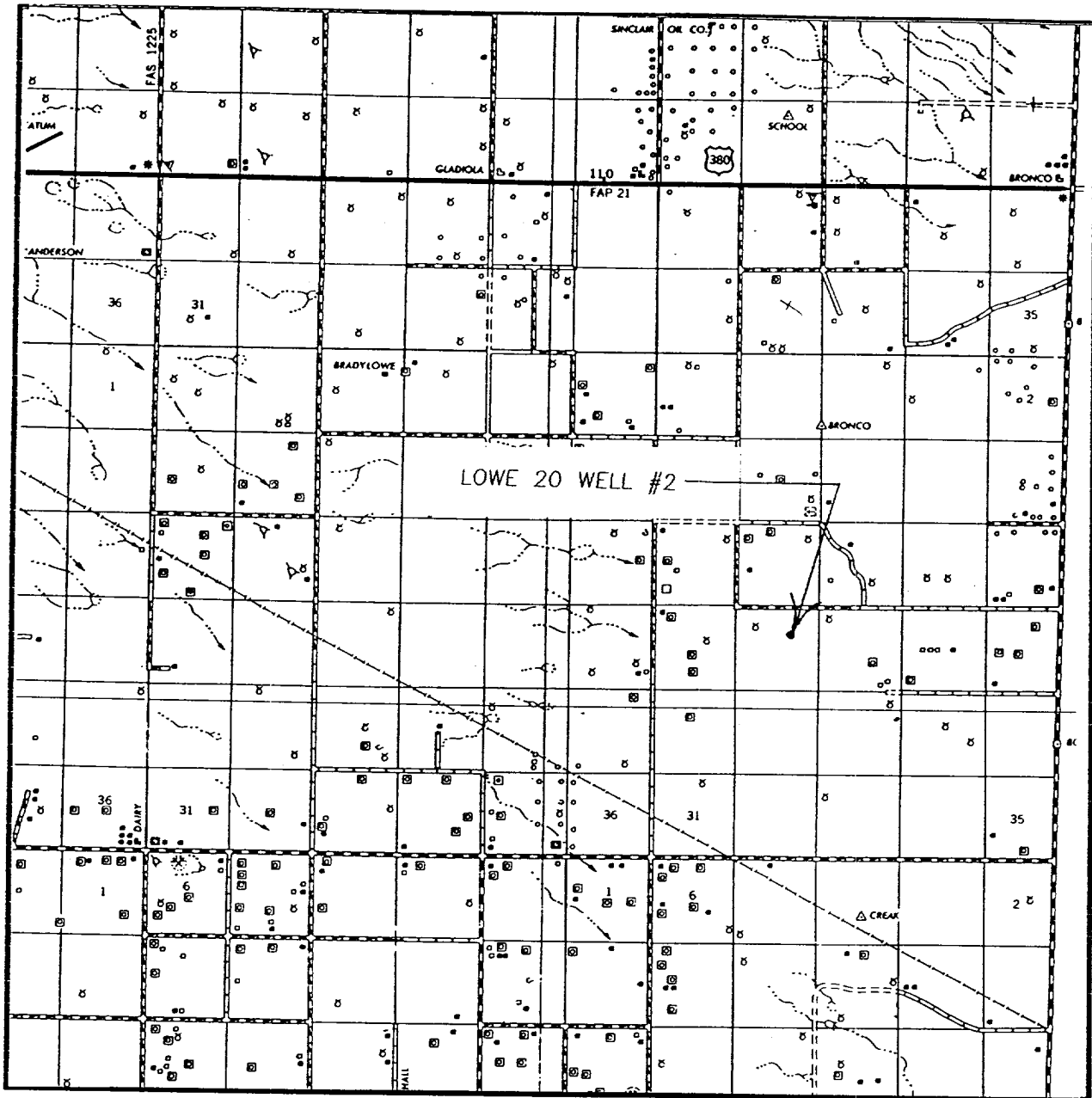
LEASE LOWE 20

U.S.G.S. TOPOGRAPHIC MAP

PRAIRIEVIEW, N.W., N.M.

JOHN WEST ENGINEERING
HOBBS, NEW MEXICO
(505) 393-3117

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 20 TWP. 13-S RGE. 38-E

SURVEY N.M.P.M.

COUNTY LEA

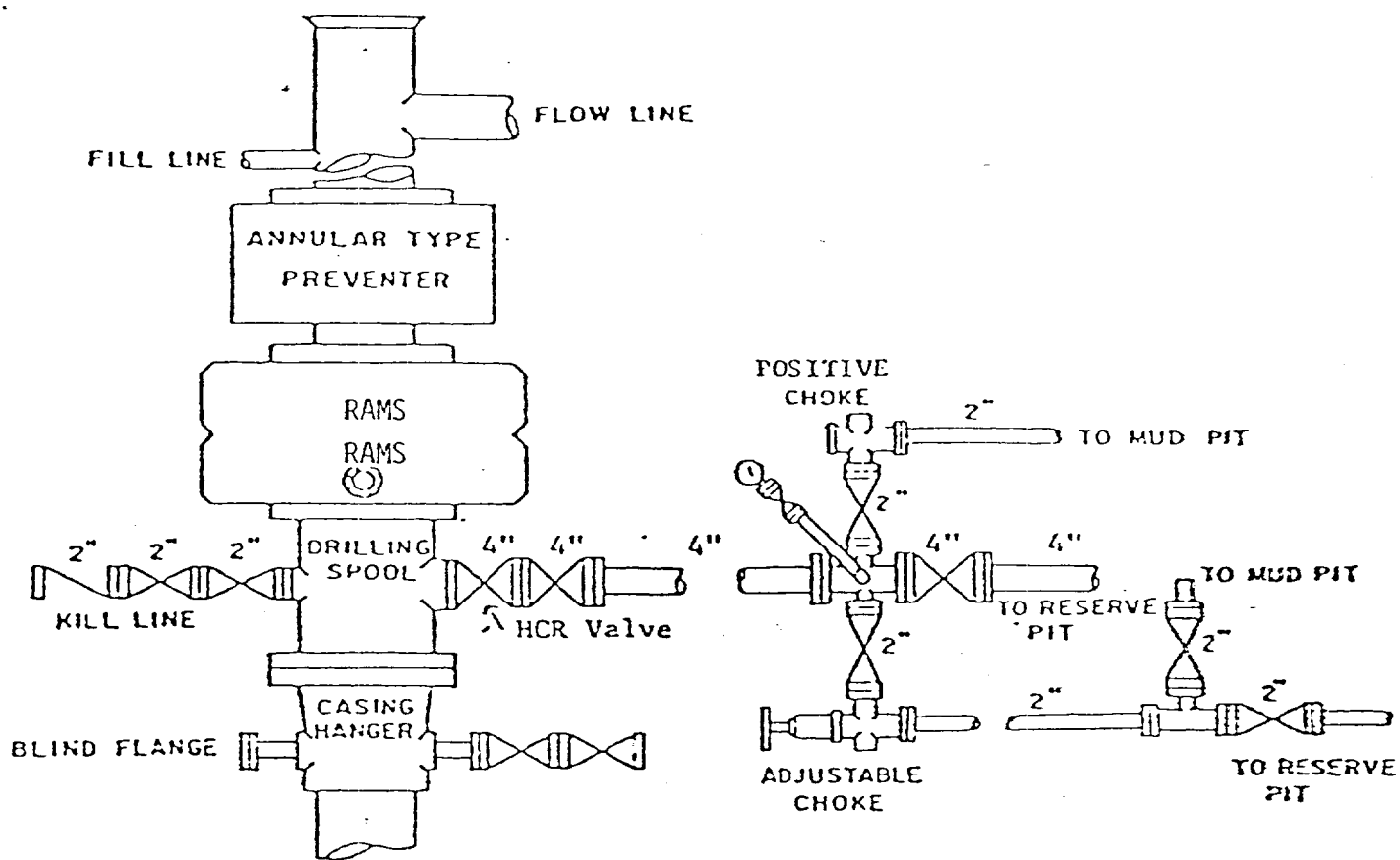
DESCRIPTION 1650' FNL & 1980' FEL

ELEVATION 3830

OPERATOR MARALO, INC.

LEASE LOWE 20

JOHN WEST ENGINEERING
HOBBS, NEW MEXICO
(505) 393-3117



BOP STACK

3000 PSI WORKING PRESSURE

BOP ARRANGEMENT