

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

Operator Name and Address: MARALO, INC. P. O. BOX 832 MIDLAND, TX 79702		OGRID Number 014007
		API Number 30 - 025-27631
Property Code 006354	Property Name SAMANTHA "7" STATE	Well No. 1

Surface Location									
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
P	7	14S	33E		660	SOUTH	660	EAST	LEA

Proposed Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
Proposed Pool 1					Proposed Pool 2				

Work Type Code P	Well Type Code 0	Cable/Rotary R	Lease Type Code S	Ground Level Elevation 4258'
Multiple NO	Proposed Depth 9855' PBTD	Formation WOLFCAMP	Contractor UNK	Spud Date

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"	48#	431'	400 SXS	SURF
12 1/2"	8-5/8"	28#	4100'	2700 SXS	SURF
7-7/8"	5-1/2"	17#	10140'	1828 SXS/2 STAGES	CIRC
				DV TOOL @ 8988'	

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.

SEE ATTACHED SHEET

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Dorothea Logan</i> Printed name: DOROTHEA LOGAN Title: REGULATORY ANALYST Date: 01-09-95		OIL CONSERVATION DIVISION Approved by: ORIGINAL SIGNED BY JERRY SEXTON Title: DISTRICT I SUPERVISOR Approval Date: JAN 11 1995 Expiration Date: Conditions of Approval: Attached <input type="checkbox"/>	
Phone: (915) 684-7441			

C-101 Instructions

Measurements and dimensions are to be in feet/inches. Well locations will refer to the New Mexico Principal Meridian.

IF THIS IS AN AMENDED REPORT CHECK THE BOX LABELED "AMENDED REPORT" AT THE TOP OF THIS DOCUMENT.

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| <p>1 Operator's OGRID number. If you do not have one it will be assigned and filled in by the District office.</p> <p>2 Operator's name and address</p> <p>3 API number of this well. If this is a new drill the OCD will assign the number and fill this in.</p> <p>4 Property code. If this is a new property the OCD will assign the number and fill it in.</p> <p>5 Property name that used to be called 'well name'</p> <p>6 The number of this well on the property.</p> <p>7 The surveyed location of this well New Mexico Principal Meridian NOTE: If the United States government survey designates a Lot Number for this location use that number in the 'UL or lot no.' box. Otherwise use the OCD Unit letter.</p> <p>8 The proposed bottom hole location of this well at TD</p> <p>9 and 10 The proposed pool(s) to which this well is being drilled.</p> <p>11 Work type code from the following table:</p> <table border="0"> <tr><td>N</td><td>New well</td></tr> <tr><td>E</td><td>Re-entry</td></tr> <tr><td>D</td><td>Drill deeper</td></tr> <tr><td>P</td><td>Plugback</td></tr> <tr><td>A</td><td>Add a zone</td></tr> </table> <p>12 Well type code from the following table:</p> <table border="0"> <tr><td>O</td><td>Single oil completion</td></tr> <tr><td>G</td><td>Single gas completion</td></tr> <tr><td>M</td><td>Multiple completion</td></tr> <tr><td>I</td><td>Injection well</td></tr> <tr><td>S</td><td>SWD well</td></tr> <tr><td>W</td><td>Water supply well</td></tr> <tr><td>C</td><td>Carbon dioxide well</td></tr> </table> <p>13 Cable or rotary drilling code</p> <table border="0"> <tr><td>C</td><td>Propose to cable tool drill</td></tr> <tr><td>R</td><td>Propose to rotary drill</td></tr> </table> <p>14 Lease type code from the following table:</p> <table border="0"> <tr><td>F</td><td>Federal</td></tr> <tr><td>S</td><td>State</td></tr> <tr><td>P</td><td>Private</td></tr> <tr><td>N</td><td>Navajo</td></tr> <tr><td>J</td><td>Jicarilla</td></tr> <tr><td>U</td><td>Ute</td></tr> <tr><td>I</td><td>Other Indian tribe</td></tr> </table> <p>15 Ground level elevation above sea level</p> <p>16 Intend to multiple complete? Yes or No</p> <p>17 Proposed total depth of this well</p> | N | New well | E | Re-entry | D | Drill deeper | P | Plugback | A | Add a zone | O | Single oil completion | G | Single gas completion | M | Multiple completion | I | Injection well | S | SWD well | W | Water supply well | C | Carbon dioxide well | C | Propose to cable tool drill | R | Propose to rotary drill | F | Federal | S | State | P | Private | N | Navajo | J | Jicarilla | U | Ute | I | Other Indian tribe | <p>18 Geologic formation at TD</p> <p>19 Name of the intended drilling company if known.</p> <p>20 Anticipated spud date.</p> <p>21 Proposed hole size ID inches, proposed casing OD inches, casing weight in pounds per foot, setting depth of the casing or depth and top of liner, proposed cementing volume, and estimated top of cement</p> <p>22 Brief description of the proposed drilling program and BOP program. Attach additional sheets if necessary.</p> <p>23 The signature, printed name, and title of the person authorized to make this report. The date this report was signed and the telephone number to call for questions about this report.</p> |
| N | New well | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E | Re-entry | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | Drill deeper | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P | Plugback | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | Add a zone | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| O | Single oil completion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G | Single gas completion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M | Multiple completion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I | Injection well | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S | SWD well | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| W | Water supply well | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | Carbon dioxide well | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | Propose to cable tool drill | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| R | Propose to rotary drill | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F | Federal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S | State | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P | Private | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| N | Navajo | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J | Jicarilla | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| U | Ute | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I | Other Indian tribe | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WORKOVER PROGNOSIS

MARALO INC

Samantha State "7" #1
660' FSL & 660' FEL, Sec 7, T-14-S, R-33-E
Baum Field, Lea County, New Mexico

ELEVATIONS: 4258' GL 4272' KB (14' AGL) 9855' PBTD

CASING: 13 3/8" @ 431' w/ 400 sx, circ'd to surface
8 5/8" @ 4,100' w/2700 sx, circ'd to surface
5 1/2" 17# @ 10,140' w/1828 sx in 2 stages, DV @ 8988', circ'd

CURRENT
PERFORATIONS: 9903 - 9950', plugged w/CIBP + 35' cmt @ 9890'
9819 - 9845', open

PROPOSED
OPERATION: Test Wolfcamp pay

1. RUPU. TOH w/rods, pump & tbg.
2. RU wireline. TIH & set CIBP @ +/- 9800'. Cap w/35' cmt.
3. TIH w/tbg, open-ended, to 9461'. Spot 200 gals 15% NEFE, triple-inhibited, acid. TOH w/tbg.
4. RU perforators and TIH w/4" carrier guns loaded w/premium charges and shoot 2 JSPF @ 9434 - 9437' and 9451 - 9461' (total 28 holes). RD wireline.
5. TIH w/ 5 1/2" treating pkr on tbg to +/- 9350'. Reverse spot acid into tbg. Set pkr.
6. Breakdown perms by pumping away spot acid.
7. Continue treatment by pumping 2000 gals 15% NEFE carrying +/- 56 ball sealers down tbg at a rate of +/- 3 BPM. If ballout occurs, surge off balls and finish treatment.
8. Swab and evaluate.
9. TOH w/tbg & pkr. Run production equipment and place well on production.

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