

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: Mallon Oil Company P. O. Box 3256 Carlsbad, NM 88220		RECEIVED JAN 20 1998	OGRID Number 13925
			API Number 30-039-22756
Property Code 22323	Simms	FED OIL CON. DIV. DIST. 3	Well No. 1

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	13	30N	4W	n/a	1730	South	1820	East	Rio Arriba

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
J	13	30N	4W	n/a	1730	South	1820	East	Rio Arriba

Proposed Pool 1 SWD; Entrada 96436	Proposed Pool 2 n/a
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Work Type Code D	Well Type Code S	Cable/Rotary R	Lease Type Code P	Ground Level Elevation 7023 GL
Multiple No	Proposed Depth 9570	Formation Entrada	Contractor	Spud Date ASAP

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
Existing 12-1/4"	9-5/8"	32.30	277'	275	
Existing 7-7/8"	5-1/2"	15.50	8731'	640	
6-1/4"	4.00	9.50	8731'-9570'	100	8331 linear

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. Deepen to Entrada and convert to SWD. The Producing Gallup perms 7541'-7634', will be cmt squeezed and Pictured Cliffs 3709'-3715' cmt squeezed, drill out CIRC at 8460' and cmt squeeze, Dakota perms 8484'-8530', Drill out to btm 5-1/2" csg at 8731', Drill 4-3/4" O.H. to 9750' (Entrada) and ream 4-3/4" hole to 6-1/4" hole. The drill fluid will be 8.4 ppg Polymir mud, 3 K BOP system with Kelly Valve, Log open hole CNL/FN/GR from T.D. to btm of csg. Run 4.00 x 9.50 lb N-80 Hydrill Slim Hole liner from 8331'-9570' and cemented top to btm.

POOL-96436 SWD-665

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: Duane C. Winkler		OIL CONSERVATION DIVISION Approved by: Emily Buck 1-22-98 Title: DEPUTY OIL & GAS INSPECTOR, DIST. #3	
Printed name: Duane C. Winkler Title: Operations Manager		Approval Date: JAN 22 1998 Expiration Date: JAN 22 1999	
Date: 1/14/98	Phone: 505-885-4596	Conditions of Approval: Attached: <input type="checkbox"/>	

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.

- 1 Operator's OGRID number. If you do not have one it will be assigned and filled in by the District office.
- 2 Operator's name and address
- 3 API number of this well. If this is a new drill the OCD will assign the number and fill this in.
- 4 Property code. If this is a new property the OCD will assign the number and fill it in.
- 5 Property name that used to be called 'well name'
- 6 The number of this well on the property.
- 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.

8 The proposed bottom hole location of this well at TD

9 and 10 The proposed pool(s) to which this well is being drilled.

- 11 Work type code from the following table:
N New well
E Re-entry
D Drill deeper
P Plugback
A Add a zone

- 12 Well type code from the following table:
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

- 13 Cable or rotary drilling code
C Propose to cable tool drill
R Propose to rotary drill

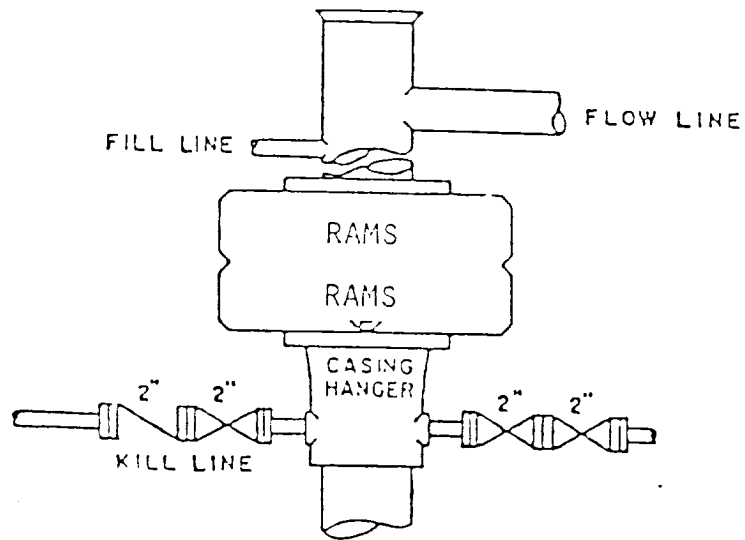
- 14 Lease type code from the following table:
F Federal
S State
P Private
N Navejo
J Jicarilla
U Ute
I Other Indian tribe

15 Ground level elevation above sea level

16 Intend to multiple complete? Yes or No

17 Proposed total depth of this well

- 18 Geologic formation at TD
- 19 Name of the intended drilling company if known.
- 20 Anticipated spud date.
- 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
- 22 Brief description of the proposed drilling program and BOP program. Attach additional sheets if necessary.
- 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.



BOP STACK

3000 PSI WORKING PRESSURE

BOP ARRANGEMENT

MALLON OIL COMPAN
ENGINEERING CHART

SHEET NO.

FILE

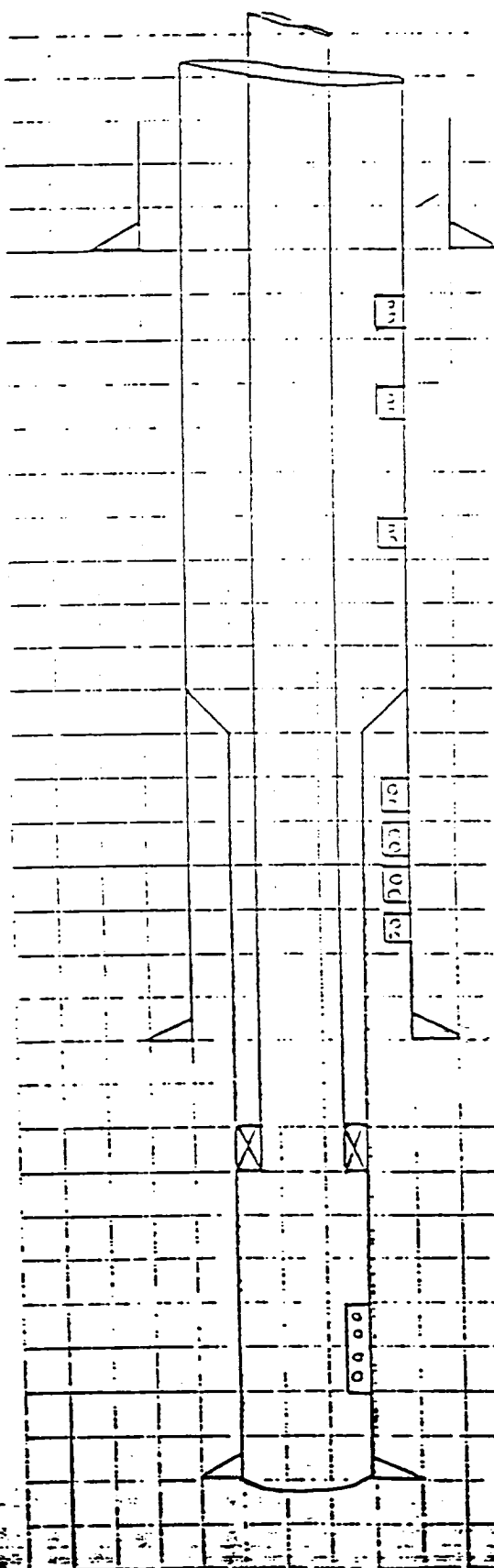
APPROV

SUBJECT Sirams No. 1

DATE 5/19/97

Proposed Completion for Injection

BY Wickler



2-7/8" x 2.65 Hydrill log lined with PVC

9-5/8" csg at 277'. Circ cmt to surface.

3709'-3715' Pictured Cliffs

Cement squeeze and pressure test

3722', 3945', 3972' Pictured Cliffs

Cement squeezed with 50 sks, pressure
tested 2000 psi.

7541'-7634' Gallup

Cement squeeze and pressure test

8331' 4" liner top, cement top 8331'

8367'-8375' Dakota, cement squeezed with 35 sks

8484'-8530' Dakota, cement squeezed with 50 sks

8633'-8636' Dakota, cement squeezed with 35 sks

8670'-8683' Dakota, cement squeezed and pressure
test

5-1/2" csg at 8731', cement top 2337' calc

9300' Guiberson UNI VI packer nickel coated

9400'-9550' Entrada

4" liner bottom 9570'

Circ cmt to top liner