

DRILLING PROGRAM

Attached to Form 3160-3

Mallon Oil Company

Jicarilla 462-22 No. 4

1190' FSL and 1190' FEL (SE/SE) Unit P

Sec. 22, T30N-R3W

Rio Arriba County, New Mexico

LEASE NUMBER: JIC462

1. Geologic name of surface formation: San Jose

2. Estimated tops of important geologic markers:

San Jose	Surface
Nacimiento	2600'
Ojo Alamo	3230'
Kirtland	3458'
Fruitland	3478'
Pictured Cliffs	3468'
Lower P.C.	4017'
Total Depth	4500'

3. Estimated depths of anticipated fresh water, oil, or gas:

San Jose	1500'	Gas
Nacimiento	2600'	Gas
Ojo Alamo	3230'	Gas
Fruitland	3478'	Gas
Pictured Cliffs	3768'	Gas

No other formations are expected to give up oil, gas, or fresh water in measurable quantities.

The surface fresh water sands will be protected by setting 8-5/8" casing at 500' and circulating cement back to surface.

4. Proposed casing program:

<u>Hole Size</u>	<u>Interval</u>	<u>Casing OD</u>	<u>Casing weight, grade, thread</u>
12-1/4"	0-500'	8-5/8"	24 lb/ft, K55, ST&C
7-7/8"	0-4500'	5-1/2"	15.5 lb/ft, K55, LT&C

Cement program:

8-5/8" surface casing: Cemented to surface with 350 sks Class B containing 2% CaCl₂, 0.25 lb/sk Cello Seal, slurry to be mixed at 15.6 lb/gal, yield 1.18 cu ft/sk. Circulate cement to surface.

5-1/2" production casing: Lead slurry 300 sks 65/35 mixed at 13.4 lb/gal, 1.62 cu ft/sk, 30% excess. Tail with 270 sks 50/50 POZ, containing 1/4 lb/sk Cello Seal mixed at 14.15 lb/gal, 1.26 cu ft/sk, 30% excess.

DISTRICT I
P.O. Box 1990, Hobbs, N.M. 88241-1990DISTRICT II
P.O. Drawer DD, Artesia, N.M. 88211-0719DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410DISTRICT IV
P.O. Box 2088, Santa Fe, NM 87504-2088State of New Mexico
Energy, Minerals & Natural Resources DepartmentForm C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, NM 87504-2088☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-25991		*Pool Code 72400	*Pool Name E Blanco PC
*Property Code 23821	*Property Name JICARILLA 462-22		*Well Number 4
*UGRID No. 13925	*Operator Name MALLON OIL COMPANY		*Elevation 7116'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Id.	Feet from the	North/South line	Feet from the	East/West line	County
P	22	30-N	3-W		1190'	SOUTH	1190'	EAST	RIO ARriba

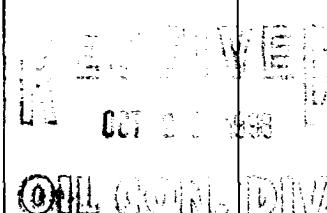
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Id.	Feet from the	North/South line	Feet from the	East/West line	County

*Dedicated Acres	*Joint or Infill	*Consolidation Code	*Order No.
160			

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

SEC. 15 SEC. 14 CALC. COR.

		FD. U.S.G.L.O. B.C. 1917		17 OPERATOR CERTIFICATION	
		153'		I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief	
22		2834'		Signature T. G. Lindeman	
		2288'		Printed Name Operations Superintendent	
2608'		N 00-09-34 E		Title September 4, 1998	
		1317'		Date	
1305'		1190'		18 SURVEYOR CERTIFICATION	
		1317'		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.	
FD. U.S.G.L.O. B.C. 1917		2608'		Date of Survey Signature of Registered Surveyor 8894	
1305'		1305'		Certificate Number	

N 89-39-27 E 5218'

CALC. COR.

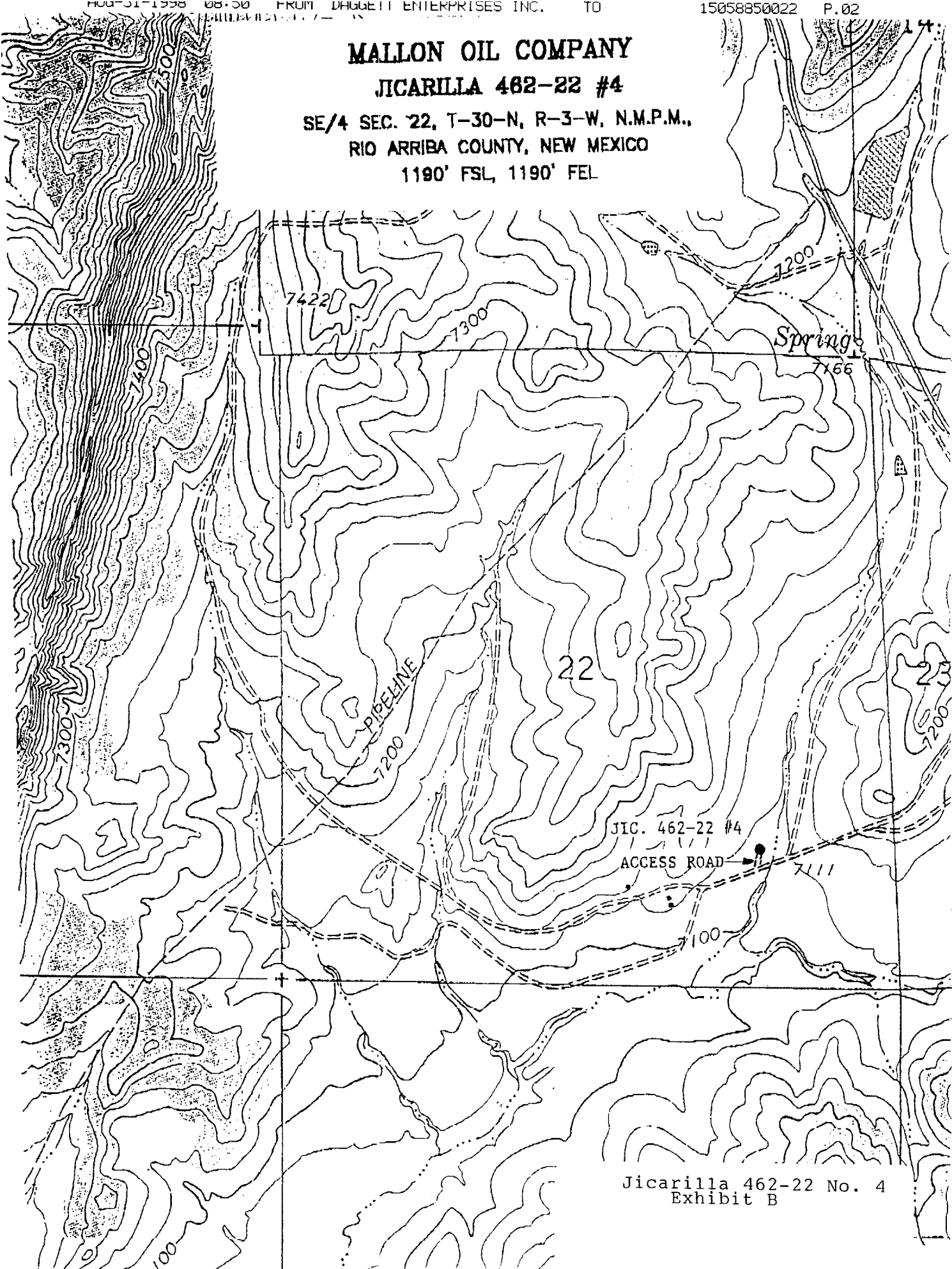
MALLON OIL COMPANY

JICARILLA 462-22 #4

SE/4 SEC. 22, T-30-N, R-3-W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

1190' FSL, 1190' FEL



Jicarilla 462-22 No. 4
Exhibit B