Approved by Malk Kelly Title AFM (Acting)

See Instructions on Reverse Side

Title 18 U.S.C. Section 1991, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false fictitious or fraudulent statements

District I

PO Box 1980, Hobbs, NM 88241-1980

District II PC Crawer 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, Munerals & Natural Resources Department

Instructions on back Submit to Appropriate District Office State Lease - 4 Comies

Fee Lease - 3 Copies

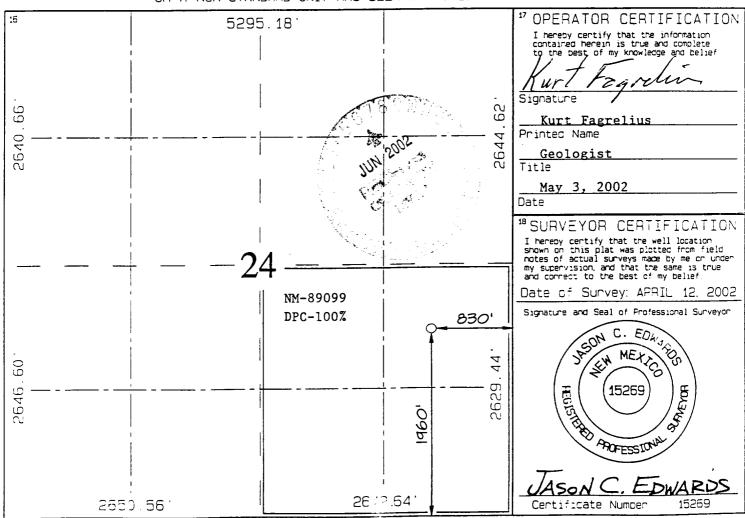
AMENDED REPORT

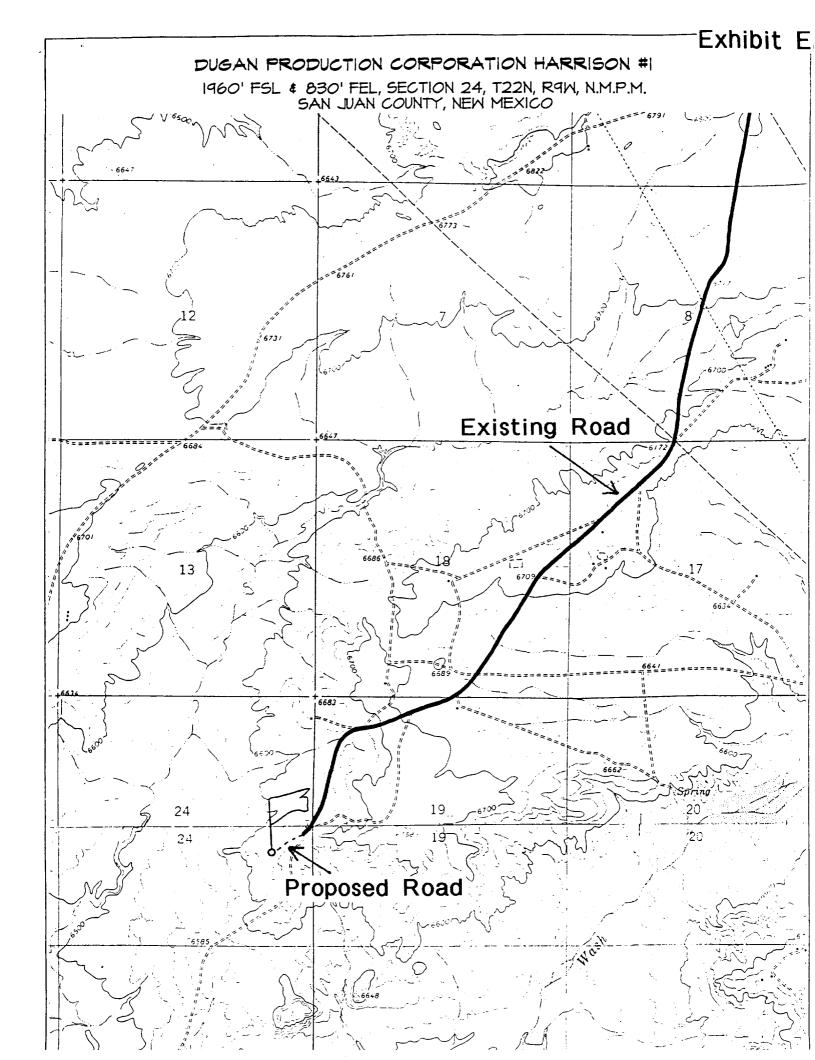
Form C-132 Revised February 21, 1994

# OIL CONSERVATION DIVISION PO Box 2088 Santa Fe. NM 87504-2088

#### WELL LOCATION AND ACREAGE DEDICATION PLAT \*Pcol Code Pool Name 'API Number Well Number Property Name HARRISON 1 Elevation \*Operator Name DUGAN PRODUCTION CORPORATION 6645 005515 <sup>10</sup> Surface Location North/South line County UL or lat no. Section Township Range Lot Ion Feet from the Feet from the East/West line 830 EAST SOUTH SAN JUAN Ι 24 22N 9W 1960 From Surface <sup>11</sup>Bottom Hole Location If Different North/South line UL or lot no. Section Lot Ion Feet from the Feet from the East/West line County 3 Joint or Infill 14 Consolidation Code <sup>15</sup> Order No. 12 Dedicated Acres 160.0 Acres - (SE/4)

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





# EXHIBIT B **OPERATIONS PLAN**

Harrison #1

### **APPROXIMATE FORMATION TOPS:**

Kirtland	less than 125'	Lewis	790'
Fruitland	255'	Chacra	955'
Distanced Cliffs	6151		

Pictured Cliffs 615

1200' **Total Depth** 

LOGGING PROGRAM: Run cased hole CNL-CCL

Catch samples every 10 feet from feet to total depth.

## **CASING PROGRAM:**

Hole	Casing	Setting	Grade and
Size	Size	Wt./ft. Depth	<b>Condition</b>
8-3/4"	7"	20# ±120'	J-55-new
6-1/4"	4-1/2"	10.5# ±1200'	J-55-new

Plan to drill a 8-3/4" hole and set 120' of 7" OD, 20#, J-55 surface casing; then plan to drill a 6-1/4" hole to total depth with gel-water-mud program to test Chacra Formation. 41/2", 10.5# J-55 casing will be run and cemented. Cased hole CNL-CCL log will be run. Productive zone will be perforated and fractured. After frac the well will be cleaned out and production equipment will be installed.

CEMENTING PROGRAM: All volumes are contingent upon Caliper logs.

Cement with 70 cu.ft. Class "B" neat. Circulate to surface Surface:

Production Stage - Cement with 110 cu.ft. 2% Lodense with 1/4# celloflake/sx followed by 75 cu.ft. Class "B" with 1/4# celloflake/sx.

Total cement slurry for production stage is 185 cu.ft.Circulate to surface.

An adequate spacer will be pumped ahead of the cement slurry to help prevent mud contamination of the cement. An adequate number of casing centralizers will be run through usable water zones to ensure that casing is centralized through these zones. The adequate number of centralizers will be determined based on API standards. Centralizers to impart a swirling action around the casing will be used just below and into the base of the lowest usable water zone. These devices will assist mud displacement, increase cement bonding potential and create an effective hydraulic seal. A chronological log will be kept which records the pump rate, pump pressure, slurry density, and slurry volume for the cement job. The log will be sent to the BLM after completion of the job.

Exhibit B - Harrison = 1

# **WELLHEAD EQUIPMENT:**

Huber 7" x 4-1/2" casing head. 1000#WP, tested to 2000# Huber 4-1/2" x 2-7/8" tubing head, 1000# WP, tested to 2000#

BOP and Related Equipment will include for a 2000 psi system: (Exhibit D).

Annual preventer, double ram, or 2 rams with one being blind and
Kill line (2" minimum)
1 kill line valve (2" minimum)
1 choke line valve
2 chokes
Upper kelly cock valve with handle available
Safety valve and subs to fit all drill string connections in use
Pressure gauge on choke manifold
2" minimum choke line
Fill-up line

Dugan Prod.Corp. Office & Radio Dispatch: 325-1821 Mark Brown (Home) 327-3632 or (Mobile) 320-8247 Kurt Fagrelius (Home) 325-4327 or (Mobile) 320-8248 John Alexander (Home) 325-6927 or (Mobile) 320-1935