

UNITED STATES
DEPARTMENT OF THE INTERIOR

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☒

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Doyle Hartman

3. ADDRESS AND TELEPHONE NO.

500 N. Main St., Midland, Texas 79701 (915) 684-4011

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. *)

At surface 840' FWL & 990' FNL, Unit (D)

At proposed prod. zone

Seven Rivers Queen Grayburg

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

6 miles northwest of Jal, New Mexico

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

840

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED
TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

390' South

19. PROPOSED DEPTH

3650'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GR 3256'

22. APPROX. DATE WORK WILL START*

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	36	1025' 600'	350
8 3/4"	7"	23 or 26	3650'	750

WITNESS

Before drilling out from under surface pipe, the well will be equipped with a 3000 psig 10-inch series 900 double ram hydraulic BOP. For other necessary BOP data required with this APD, see attached drilling prognosis.

Proposed cementing detail - note quantities listed are tentative as based upon previously drilled wells in the area but may be adjusted as indicated by actual drilling conditions and openhole caliper logs.

This is a replacement well for the Courtland Myers No. 2. This well was abandoned due to a squeeze job that communicated uphole and cemented the tubing and retainer in the 7" casing.

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

OPER. OGRID NO. 6473
PROPERTY NO. 272106
POOL CODE 372.40
EFF. DATE 6-22-00
API NO. 30-025-35062

IN ABOVE SPACE DESCRIBE PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Don Mashburn

TITLE Don Mashburn, Engineer

DATE 05/12/00

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

TITLE

Acting

Assistant Field Manager,
Lands And Minerals

DATE

*See Instructions On Reverse Side

APPROVED FOR 1 YEAR

Title 18 U.S.C. Section 1001, 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 or representations as to any matter within its jurisdiction.

DISTRICT I
P.O. Box 1880, Hobbs, NM 88241-1880

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

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-35062	Pool Code 37240	Pool Name LANGLIE MATTIX 7R-QN-GR
Property Code 19387 26106	Property Name COURTLAND MYERS "B" Federal	Well Number 3
OGRID No. 6473	Operator Name DOYLE HARTMAN OPERATORS	Elevation 3256

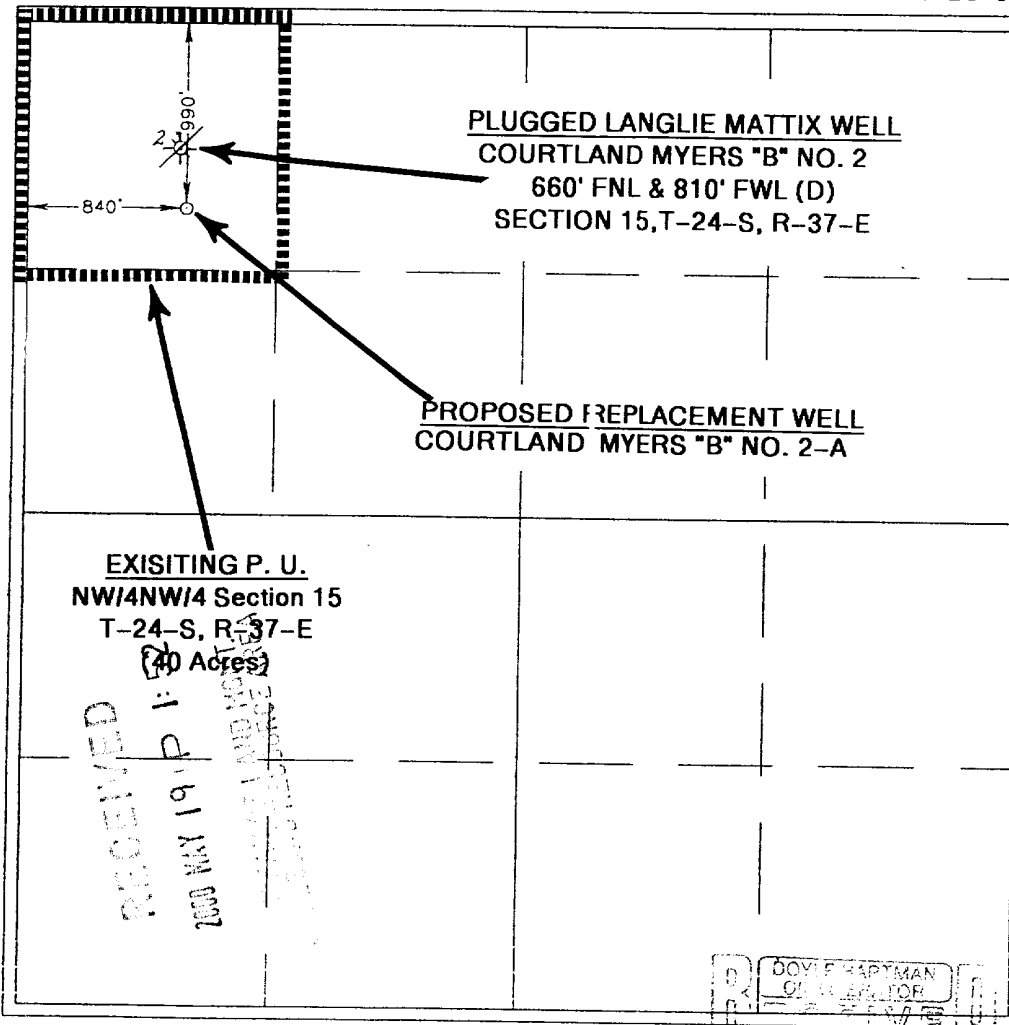
Surface Location

UL or lot No. D	Section 15	Township 24 S	Range 37 E	Lot Idn	Feet from the 990	North/South line NORTH	Feet from the 840	East/West line WEST	County LEA
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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 40	Joint or Infill N	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 the the information
contained herein is true and complete to the
best of my knowledge and belief.

Don Mashburn (DB)
Signature

Don Mashburn
Printed Name

Engineer
Title

Date 5/18/00

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.

FEBRUARY 15, 2000

Date Surveyed
Signature & Seal of
Professional Surveyor

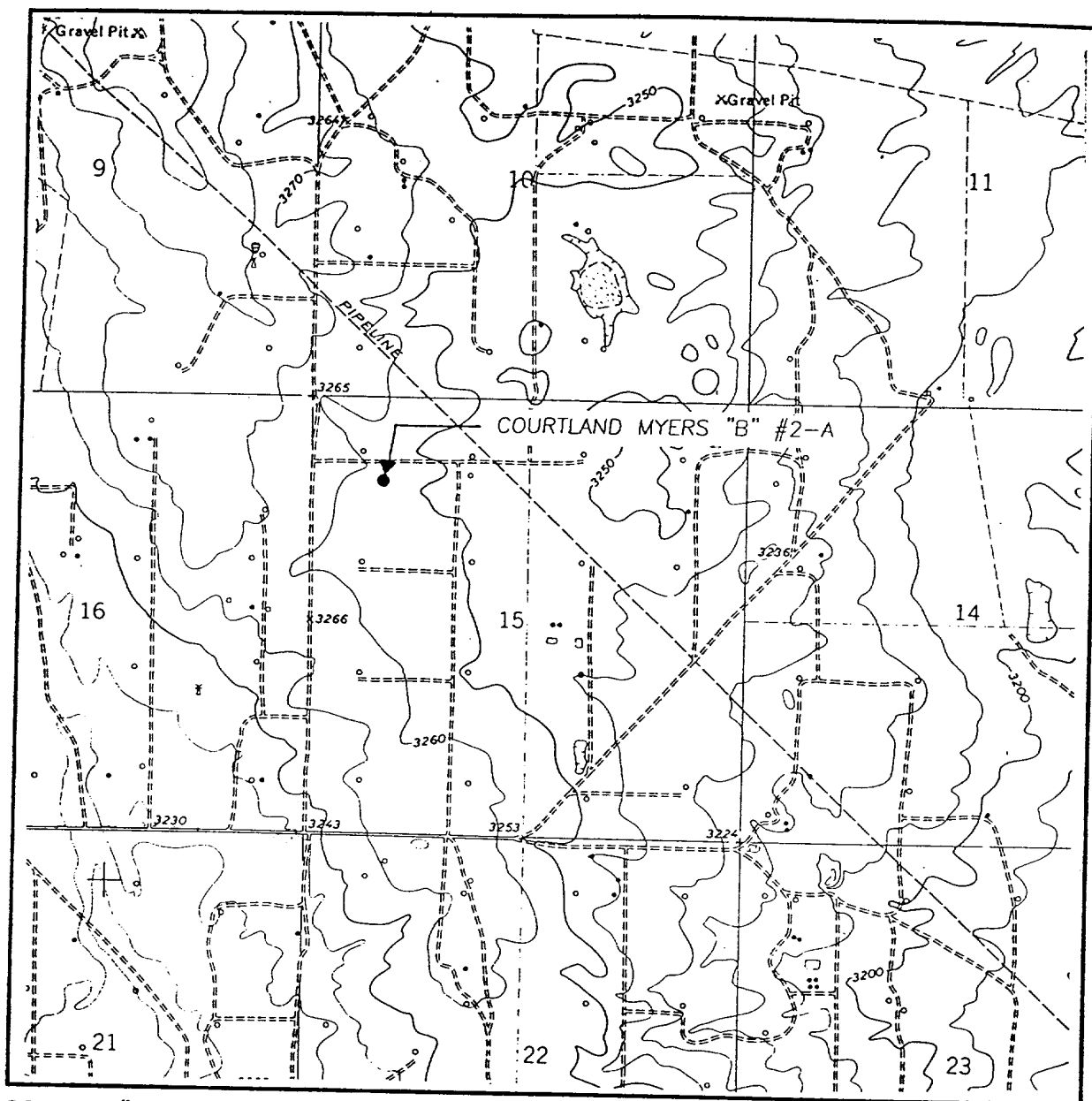
Ronald J. Eidson
00-11-0218

Certificate No. RONALD J. EIDSON 3239
GARY EIDSON 12641
MALCOLM McDONALD 12185

MAY 10 2000

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505 393-3117

LOCATION & VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
JAL NW - 10'

SEC. 15 TWP. 24-S RGE. 37-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 990' FNL & 840' FWL

ELEVATION 3256

OPERATOR DOYLE HARTMAN OPERATORS

LEASE COURTLAND MYERS "B"

U.S.G.S. TOPOGRAPHIC MAP

JAL NW, N.M.

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

District I
PO Box 1980, Hobbs, NM 88241-1980

District II

811 South First, Aztec, NM 88021

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

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-101
Revised October 18, 1994

Instructions on back

Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

☐ AMENDED REPORT

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

¹ Operator Name and Address Doyle Hartman 500 N. Main St. Midland, Texas 79701		² OGRID Number 6473
		³ API Number 30 - 0
⁴ Property Code	⁵ Property Name Courtland Myers "B"	⁶ Well No. 2-A

⁷Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County
D	15	24	37		840	West	990	North	Lea

⁸Proposed 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					¹⁰ Proposed Pool 2				

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code F	¹⁵ Ground Level Elevation
¹⁶ Multiple No	¹⁷ Proposed Depth 3650	¹⁸ Formation 7-R-Q-Grayburg	¹⁹ Contractor Patterson	²⁰ Spud Date 07-15-00

²¹Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4"	9 5/8"	36	500'	350	
8 3/4"	7"	23 or 26	3650'	750	

²²Describe 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.

Before drilling out from under surface pipe, the well will be equipped with a 3000 psig 10-inch series 900 double ram hydraulic BOP. For other necessary BOP data required with this APD, see attached drilling prognosis.

Proposed cementing detail - note quantities listed are tentative as based upon previously drilled wells in the area but may be adjusted as indicated by actual drilling conditions and openhole caliper logs.

This is a replacement well for the Courtland Myers No. 2. This well was abandoned due to a squeeze job that communicated uphole and cemented the tubing and retainer in the 7" casing.

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

Signature:

Don Mashburn (EB)

Printed name: Don Mashburn

Title: Engineer

Date: 05-12-00

Phone: 915-604-4011

OIL CONSERVATION DIVISION

Approved By:

Title:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached: ☐

DOYLE HARTMAN
DRILLING PROGNOSIS

I. WELL IDENTIFICATION

Lease Name: Courtland Myers "B"

Well No.: 2-A

Location: 990' FNL & 840' FWL (D)
Section 15, T-24-S, R-37-E

County: Lea

State: New Mexico

Elevations: GL/KB 3256'/3269'

II. DRILLING OBJECTIVE

Zone: Seven-Rivers/Queen/Grayburg

Total Depth: 3650'

Pool Name: Langlie Mattix (Gas)

Productive Interval: Seven-Rivers/Queen/Grayburg

III. FORMATION TOPS

<u>ZONE</u>	<u>DRILLING DEPTH(KB)</u>	<u>SUBSEA DEPTH</u>	<u>GROSS INTERVAL DRILLED</u>	<u>PROBABLE FLUID PRODUCTION</u>
KB	3269			
Rustler	995	2274	186	
Salado Salt	1181	2088	1150	
Cowden Anhydrite	---	---	---	
Tansill	2331	938	134	
Yates	2465	804	1285	
Seven Rivers	2750	519	390	GAS
CUQ Marker	3140	129	29	GAS
Queen	3169	-100	125	GAS
Penrose	3294	-25	182	GAS
Grayburg	3476	-207	174	OIL/GAS/WTR
TOTAL DEPTH	3650	-381		

IV. HOLE SIZE

<u>Hole</u>	<u>Bit Size</u>	<u>T.D.</u>	<u>Gross Interval</u>
Surface	12 ¼"	500'	500'
Production	8 ¾"	3650'	3650'

V. CASING PROGRAM

A. Casing Design

<u>Casing Size</u>						
<u>String</u>	<u>O.D.</u>	<u>Wt.</u>	<u>Grade</u>	<u>Thds</u>	<u>Amt.</u>	<u>Cond.</u>
Surface	9 5/8"	36	J55	8R ST&C	500	New
Production	7"	26	J55	8R LT&C	3650	New

B. Float Equipment

Surface Casing: 9 5/8-inch Texas Pattern guide shoe and 9 5/8-inch float collar. Wiper wooden plug to displace cement.

Production Casing: 7-inch super seal float shoe with latch down plug and baffle.

C. Centralizers

Surface Casing: One centralizer at the float collar and five centralizers every other joint thereafter.

Production Casing: Run a total of 18 centralizers. Place one centralizer at the guide-shoe with fifteen (15) centralizers being placed every 80 to 90 feet apart or every other joint in the case of 40-foot joint lengths thereafter. One centralizer inside the bottom of the surface casing and one near surface.

D. Wellhead Equipment

Larkin 9 5/8" x 7" slip type casinghead with bowl, slips and packoff. B & M Oil Tools 7" x 2 3/8" Type MR male-tubinghead complete with Mandrel, 3 inch outlets, stripper bowl and rubber and slip casing collar.

VI. MUD PROGRAM

- A. Drill the surface hole with a fresh water gel "spud mud" & paper (approximately 8.5 lb./gal) while maintaining a high enough viscosity to adequately clean the hole. Circulate through working pits and sweep for surface casing. Add paper as needed to control excess seepage.

Before drilling below the surface pipe, jet cuttings out of working pit into auxiliary pit and then switch from circulating through the working pit to circulating through the reserve pit with 10.1 ppg brine.

B. Production Hole

Prior to drilling the cement plug, add ASP-725 through the hopper over 1 to 2 circulations at the rate of 20 gallons per 1000 barrels of fluid. Make certain to mix and agitate ASP 725 prior to adding to brine. ASP-725 is a cationic, liquid polyacrylamide designed to prevent hydration and migration of clays. Due to its cationic nature, bentonite and attapulgite will not hydrate and are useless in this fluid. If additional viscosity is required, use XCD, or Drispac plus.

Since ASP-725 is depleted from the system, some maintenance is required. Recommended maintenance is 5-6 gallons per tour through the mud hopper.

Lime should be used to control pH at 9.0. Paper may be used to control seepage losses.

Water flows while drilling the Rustler, Salt, and Yates formations may require deviation from this program.

Depth: 2300-3650'. Weight: 10.0-10.1. Viscosity: 30-31. Filtrate: 6 or less.

At 2300' begin to lower the fluid loss with starch. **Fluid loss to be 10 cc's or less at 2400'.**

Continue to add ASP-725 to the system at the rate of 5-6 gallons per tour. Caustic soda should be used to control pH at 9.0. Use paper and LCM to control seepage losses below 3550'.

At TD, sweep the hole using a high viscosity 100 barrel pill with Dynasweep and/or XCD or as recommended.

VII. **CEMENTING PROGRAM**

A. Surface Pipe

Cement surface pipe with approximately 350 sacks (or as required to circulate cement to surface) of API Class-C cement containing 2% Calcium Chloride. Before resuming drilling operations, allow cement to set for a sufficient time to gain a 500-psi compressive strength (18 hours). Nipple up 3000# 12" Shaffer Type E Double Ram BOP and test rams. Also before drilling the surface cementing plug, the pipe shall be tested to 1000 psi for 15 minutes.

B. Production String

Cement the long string with approximately 450 sacks (or as required) of API Class-C cement containing 3% Halliburton Econolite, 5 lbs/sx Gilsonite and 1/2 lb./sx Floseal mixed to a slurry weight of 11.2 lb./gal followed by 250 sacks of a 50-50 blend of Pozmix "A" and API Class-C cement containing 18% salt, 2% gel, 1/4 lb./gal Floseal and a slurry weight of 14.1 lb./gal. Pump 30 barrels of water ahead of the cement to help remove the mud filter cake.

Once the plug has been bumped and latched, pressure test the casing to 1500 psig.

The total estimated cement volume of 700 sacks provides for an excess that should be sufficient to bring the cement top back to the surface. Before the cement job is actually performed, the required cement volume shall be checked against the open hole caliper log to determine the actual amount of cement necessary to bring the cement back to the surface.

VIII. FORMATION EVALUATION

A. Drilling Rate

1. The drilling rate shall be monitored with a geograph from the surface to total depth.
2. Doyle Hartman requires that the penetration rate be tabulated in 10 feet increments over the entire hole.

B. Well Cutting Samples

One set of wet cutting samples shall be gathered every ten (10) feet from 940' to total depth. Five foot (5') samples may be required during the Queen-Penrose interval as specified. **Two sets of dried cuttings** cleaned, bagged, tagged, and then grouped into bundles of ten samples per bundle with one bundle representing each 100 feet drilled.

After the cutting samples have been reviewed by the well site geologist, they shall be delivered to the Midland Sample Cut, 704 S. Pecos Street, Midland, Texas.

If required by the well site geologist, a second set of samples shall be gathered over the entire Yates & Seven Rivers.

C. Mud Logging

On at **2415'** prepared to catch samples and monitor gas with instruments calibrated. Logs will be distributed as noted with Electric Logs. **Need two (2) sets of dry samples. Fax field mud logs by segments twice (2) daily to (214) 520-1434 or (915)694-2350.**

D. Drill-Stem Testing

None

E. Coring

None

F. Well Logging

Well Logging information is now available on diskette and tape format. Both formats are to be requested on all work performed.

Open Hole Logs

<u>Log</u>	<u>Interval</u>	
	<u>2" = 100'</u>	<u>5" = 100'</u>
SDL-DSN-GR*	T.D. - Surface	T.D. - 1800
Dual Laterlog-	T.D. - 1800	T.D. - 1800
Microguard-GR-MST	As Instructed	

*Log and process on both lime and dolomite matrix base

Cased Hole Logs

<u>Log</u>	<u>Interval</u>	
GR-Neutron	T.D. - 2100	T.D. - 2100

Log Distribution

	<u>No. of Copies</u>				
	<u>Field</u> <u>Prints</u>	<u>Final</u> <u>B/W</u> <u>Prints</u>	<u>Final</u> <u>Color</u> <u>Prints</u>	<u>Field</u> <u>Mud</u> <u>Logs**</u>	<u>Final</u> <u>Mud</u> <u>Logs</u>
Doyle Hartman Post Office Box 10426 Midland, Texas 79702	5	3	6	3	3
Doyle Hartman 3811 Turtle Creek Blvd. Suite 200 Dallas, Texas 75219	2	0	6	3	3
NMOCD District I Office Post Office Box 1980 Hobbs, New Mexico 88240	0	1	0	0	0

**** Fax field mud logs by segments twice daily to (214) 520-1434 or (915)694-2350**

IX. BLOWOUT PREVENTER SYSTEM

Before drilling out from under the surface pipe, the well will be equipped with a 3000-psi 10 inch series 900 double-ram hydraulic blowout preventer. The blowout preventer shall be used through the running of the production string.

X. HAZARDOUS ZONES

Note: Be cautious of water flows while drilling below the Rustler formation. Check for water flows on each connection, during surveys and monitor pit gain/loss. Do not leave drill string on bottom and/or stationary while drilling through the porosity zones in the Queen-Penrose. This is to avoid differential sticking. Be cautious of lost circulation while drilling the Grayburg-SA formation at TD. Should circulation cease pump a standby 50 bbl LCM/XCD mix to regain circulation.

XI. AUXILIARY EQUIPMENT

Upper Kelly cock, full opening stabbing valve, rotating head as required.

XII. COMPLETION

Perforations, acid job, and additional stimulation to be determined after completion.

XIII. DURATION OF OPERATIONS

The total elapsed time required for drilling and completing the subject well is expected to be fifteen (15) days.

Distribution

BLM	NMOC
DH	DM
SH	MUD CO.
SP	File
Morco	

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

DOYLE HARTMAN
Courtland Myers "B" 2-A
990' FNL & 840' FWL
Section 15, T-24-S, R-37-E
Lea Co., New Mexico

This plan is submitted with our Application for Permit to Drill (3160-3), Well Location Plat (NM Form C-102) and Drilling Prognosis for the above described well. The purpose of the plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of the necessary surface disturbance involved, and the procedures to be followed in rehabilitating the surface after completion of the operation so that a complete appraisal can be made of the environmental effects associated with the proposed operation.

1. EXISTING ROADS:

Exhibit "MP-1" is a portion of a United States Geological Survey Topographic Map covering a part of T-24-S, R-37-E, Lea County, New Mexico which shows the location of the proposed well as staked. Also included on Exhibit "MP-1" are all nearby New Mexico State Highways as well as all existing roads within a one mile radius of the proposed well site and the planned access road.

To reach the proposed well drive north from Jal, following State Highway 18 for 6 miles. Turn East on Jal Cooper Cemetary Road and continue to drive for 2 miles. Then turn North on caliche road and drive for ¾ mile. At road end, turn east to location.

2. PLANNED ACCESS ROADS:

- A. Length and Width: No new access road will be required. The existing road may be required to be widened to twelve (12) feet wide along the route.
- B. Surface Material: Four inches of caliche, water compacted and graded.
- C. Maximum Grade: Three (3) percent.
- D. Turnouts: No new turnouts required.
- E. Drainage Design: The existing road will be graded to have a drop of six (6) inches from the center line to each edge of the road.
- F. Culverts: Non required.
- G. Cuts and Fills: None required.
- H. Cattle guards: None required.

3. LOCATION OF EXISTING WELLS:

All existing wells within a one-mile radius of the proposed drill site are shown on Exhibit "MP-2" and detailed in "Table MP-2".

4. **LOCATION OF EXISTING AND PROPOSED PRODUCTION FACILITIES:**

A. **Existing Facilities:** None.

B. **Proposed Facilities:** Since it is anticipated that the proposed well will be completed as a gas well with possible oil production, the equipment required will be a pumping unit, gas separator, water tank, gas metering, oil storage tanks, heater treater, powerline and flowline.

5. **LOCATION AND TYPE OF WATER SUPPLY:**

Fresh water for drilling the proposed well will be trucked by Rapid Transport from the Jal Country Club in Jal, New Mexico.

6. **SOURCE OF CONSTRUCTION MATERIALS:**

Caliche for surfacing the road and well pad will be obtained from Ms. B.J. Doom from a pit in the SW/4 SE/4 Section 21, T-24-S, T-37-E.

7. **METHODS OF HANDLING WASTE DISPOSAL:**

A. **Drill Cuttings:** Drill cuttings will be disposed of in drilling pits.

B. **Drilling Fluids:** Drillings fluids will be allowed to evaporate in drilling pits until the pits are dry. While the pits are in the evaporation stage, they will be adequately fenced so as not to be a hazard to people and livestock.

8. **ANCILLARY FACILITIES:**

None Required.

9. **WELL SITE LAYOUT:**

A. **Well Site Boundaries:** The boundaries of the well site have been staked and flagged.

B. **Rig Components:** Exhibits "MP-3", "MP-4" and "MP-5" show the relative location and approximate dimensions of the well pad, mud pits, reserve pit, trash pit, and location of major rig components.

C. **Well Site Leveling:** Only minor leveling of the well site will be required. No cuts or fills will be necessary.

D. **Pit Lining:** The reserve pit will be lined with 4 mil cross laminated white poly lining material.

10. **PLANS FOR RESTORATION OF THE SURFACE:**

A. **Equipment Removal:** After the finishing of drilling and/or completion operations, all drilling equipment and other material not needed for routine operations will be removed from the well site. Pits will be filled and the location cleaned of all trash and junk thus leaving the well site in an aesthetically pleasing condition.

B. **Unguarded Pits:** Any unguarded pits containing fluid will be fenced until they are back-filled.

4. **LOCATION OF EXISTING AND PROPOSED PRODUCTION FACILITIES:**

A. **Existing Facilities:** None.

B. **Proposed Facilities:** Since it is anticipated that the proposed well will be completed as a gas well with possible oil production, the equipment required will be a pumping unit, gas separator, water tank, gas metering, oil storage tanks, heater treater, powerline and flowline.

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9. **WELL SITE LAYOUT:**

A. **Well Site Boundaries:** The boundaries of the well site have been staked and flagged.

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B. **Unguarded Pits:** Any unguarded pits containing fluid will be fenced until they are back-filled.

- C. **Well Abandonment:** Upon abandoning the proposed well, the surface restoration will be in accordance with the agreement with the surface owner. As stated above, the pits will be filled and the location well be cleaned. The pit area, well pad, and all unneeded access roads will be ripped up to promote vegetation. Rehabilitation will be accomplished within 90 days after abandonment.

11. **OTHER INFORMATION:**

- A. **Topography:** The well site is located just above the base of the Caprock. Along the edge of the Caprock, the surface slopes to the South and Southeast at the rate of 100 feet/mile. At the base of the Caprock, the land slopes to the southeast at a more gentle rate.
- B. **Soil:** The surface is an area where sediments are predominantly orange-tan sand. The soils are shallow and are underlain by caliche.
- C. **Flora and Fauna:** The vegetation cover is generally sparse and consists of mesquite, serus oak, sand bur, prickly pear, yucca and perennial native range grasses. Wildlife in the area is typical of semi-arid desert land and includes coyotes, rabbits, rodents, reptiles, doves, and quail.
- D. **Pond and Streams:** There are no rivers, streams, ponds, or lakes in the area.
- E. **Residences and Other Structures:** The nearest occupied dwelling is a house located in the NW/4 NE/4 of Section 14, T-24-S, R-37-E. The closest fresh water well is located in the NW/4 SE/4 of Section 16, T-24-S-R-37-E .
- F. **Archeological, Historical, and Cultural Sites:** None observed in the area.
- G. **Land Use:** Grazing, bird hunting and oil field operations.
- H. **Surface Ownership:** The proposed well is to be situated on surface owned by Mrs. B. J. Doom.

12. **OPERATOR'S REPRESENTATIVES:**

The Field Representatives responsible for assuring compliance with the approved Surface Use and Operations Plan are as follows:

Don Mashburn
P.O. Box 10426
Midland, Texas 79702
Office Phone: (915) 684-4011
Mobile Phone: (915) 661-9566
Home Phone: (915) 699-0043

Harold Swain
Drawer M
Jal, New Mexico 88252
Office Phone: (505) 395-3367
Mobile Phone: (505) 390-3383

13. **CERTIFICATION:**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in plan are, to the best of my knowledge true and correct; and, that the work associated with the operation proposed herein will be performed by Doyle Hartman, Oil Operator and his contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

5/18/00
Date

Don Mashburn (as)
Don Mashburn, Petroleum Supervisor
Doyle Hartman

DOYLE HARTMAN

Oil Operator

500 N. MAIN

P.O. BOX 10426

MIDLAND, TEXAS 79702

(915) 684-4011

May 16, 2000

VIA Facsimile and U.S. Mail

Carlsbad Resource Area
Bureau of Land Management
Post Office Box 1778
Carlsbad, New Mexico 88220

Attention: Barry Hunt

Re: Restoration of Surface
Courtland Myers "B" 2-A
990' FNL & 840' FWL
Section 15, T-24-S, R-37-E
Lea Co., New Mexico

Dear Mr. Hunt:

We have notified Mrs. B.J. Doom, owner of the surface land in the NW/4 Section 15, T-24-S, R-37-E, of our intention to drill a well to be located 990' FNL and 840' FWL of Section 15. We have agreed that once drilling and completion operations are finished at the proposed well site, all pits will be backfilled and leveled, all junk and unnecessary equipment will be removed, and any unneeded access road and drill pad area will be ripped to promote vegetation.

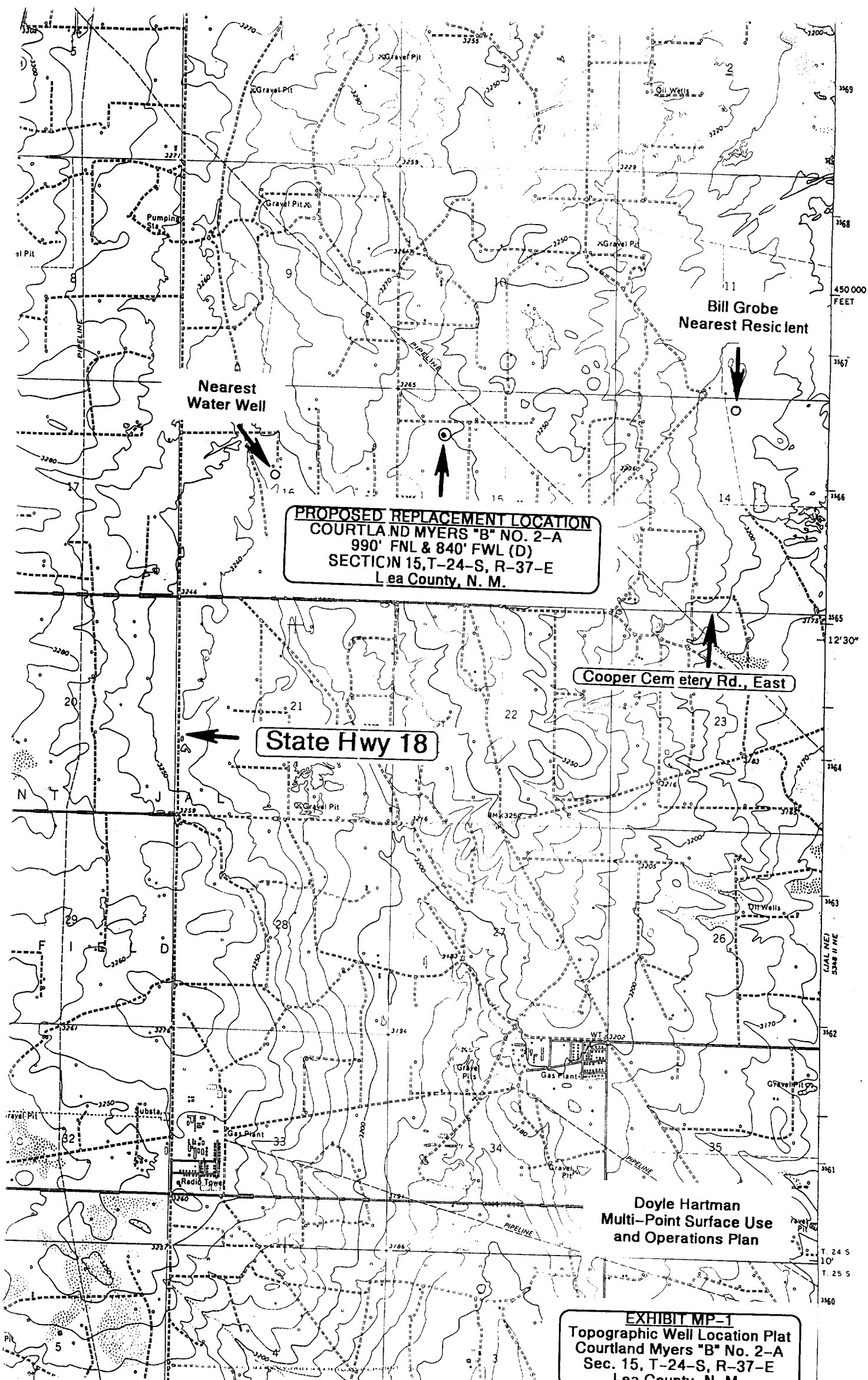
Very truly yours,

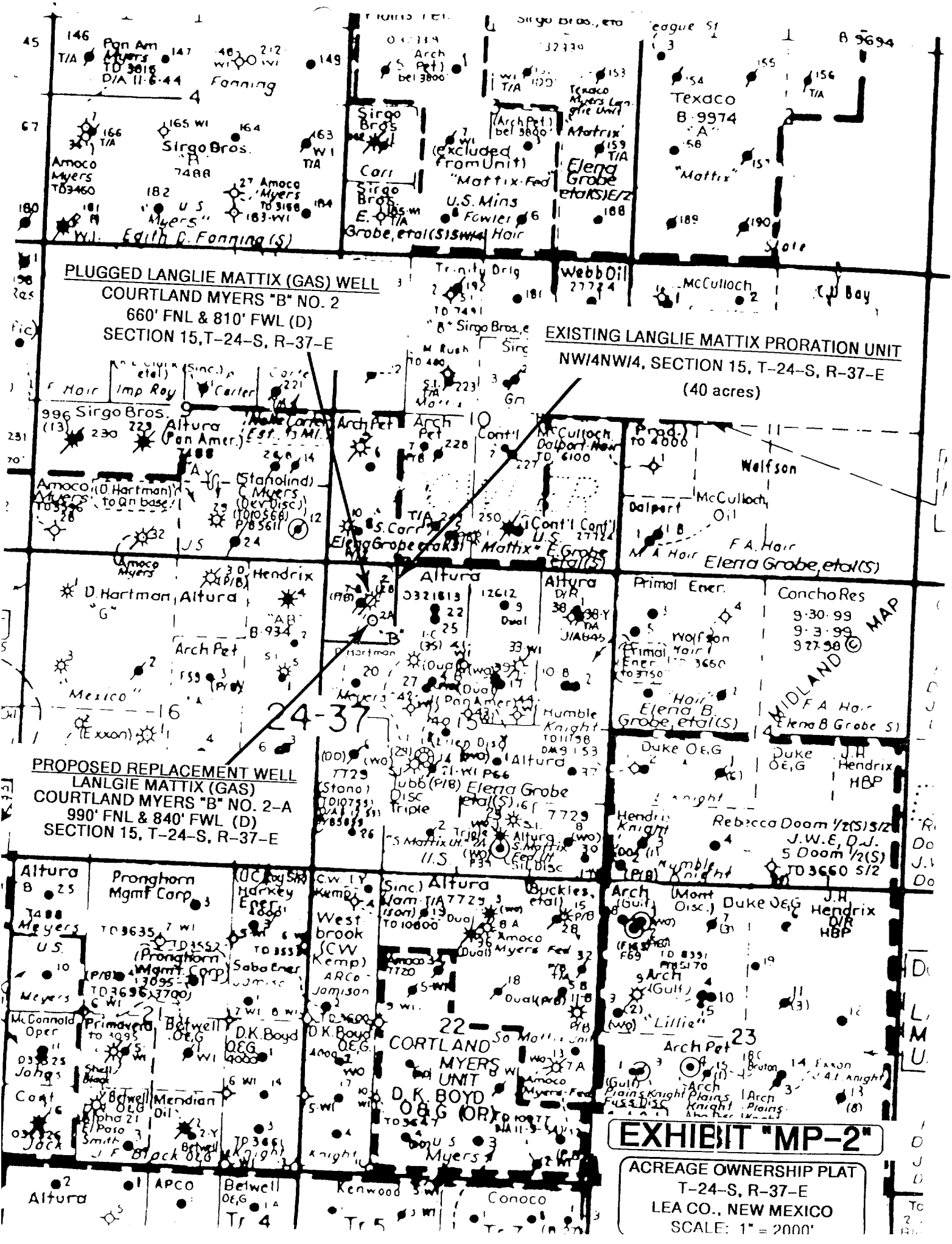
DOYLE HARTMAN

A handwritten signature in cursive script that reads "Don L. Mashburn (915)".

Don L. Mashburn,
Engineer

DM/cb





PLUGGED LANGLE MATTIX (GAS) WELL
COURTLAND MYERS "B" NO. 2
660' FNL & 810' FWL (D)
SECTION 15, T-24-S, R-37-E

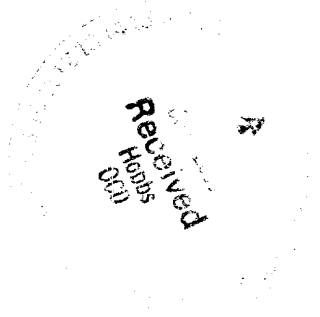
EXISTING LANGLE MATTIX PRORATION UNIT
NW/4NW/4, SECTION 15, T-24-S, R-37-E
(40 acres)

PROPOSED REPLACEMENT WELL
LANGLIE MATTIX (GAS)
COURTLAND MYERS "B" NO. 2-A
990' FNL & 840' FWL (D)
SECTION 15, T-24-S, R-37-E

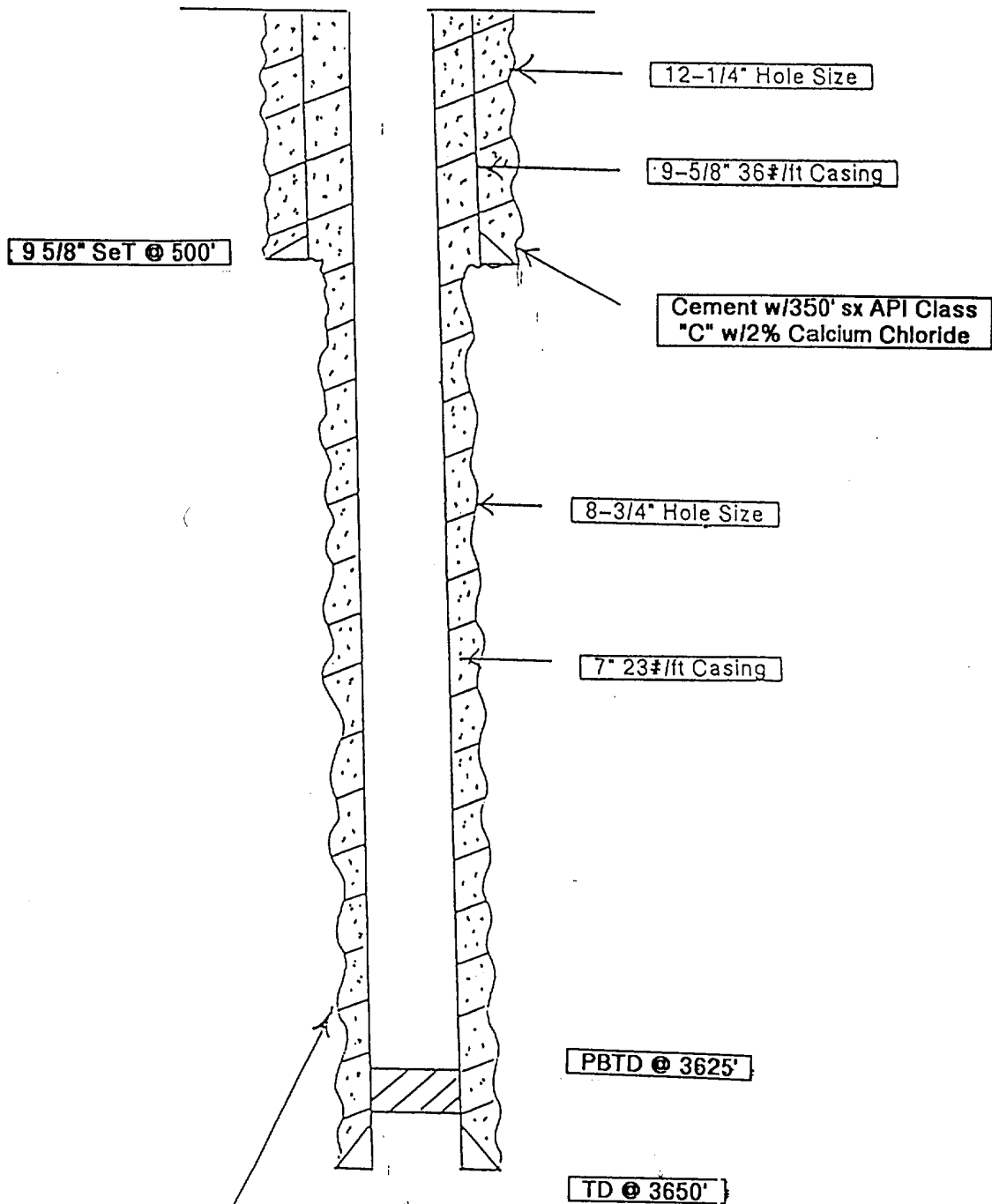
EXHIBIT "MP-2"
ACREAGE OWNERSHIP PLAT
T-24-S, R-37-E
LEA CO., NEW MEXICO
SCALE: 1" = 2000'

State	County	Location	Well/Lease	Well #	Field	Operator	Retrieval Code	API Number	Status	Product	Gas Cum.	Oil Cum.
WV	LEA	9A 24S 37E	MYERS LANGLEIE MATTI	000194	LANGLIE MATTIX (SEVEN RVR QN GRBG)	SR	150,025,24S37E09A00SR	30-025-11066-00	INA	O	75801	35616
WV	LEA	9B 24S 37E	MYERS LANGLEIE MATTI	195	LANGLIE MATTIX (SEVEN RVR QN GRBG)	SR	150,025,24S37E09B00SR	30-025-11067-00	INA	O	7677	31296
WV	LEA	9C 24S 37E	MYERS LANGLEIE MATTI	000196	LANGLIE MATTIX (SEVEN RVR QN GRBG)	SR	150,025,24S37E09C00SR	30-025-11068-00	INA	O	74870	50854
WV	LEA	9D 24S 37E	MYERS LANGLEIE MATTI	000197	LANGLIE MATTIX (SEVEN RVR QN GRBG)	SR	150,025,24S37E09D00SR	30-025-26411-00	ACT	O	20253	55047
WV	LEA	9D 24S 37E	FOWLER HAIR	000001	LANGLIE MATTIX (SEVEN RVR QN GRBG)	SR	150,025,24S37E09DPASR	30-025-11076-00	P&A	O	0	89890
WV	LEA	9F 24S 37E	MYERS LANGLEIE MATTI	000219	LANGLIE MATTIX (SEVEN RVR QN GRBG)	SR	150,025,24S37E09F00SR	30-025-11069-00	INA	O	208051	77874
WV	LEA	9G 24S 37E	HUFF	1	LANGLIE MATTIX (SEVEN RVR QN GRBG)	SR	150,025,24S37E09G00SR	30-025-26755-00	ACT	O	35133	37390
WV	LEA	9G 24S 37E	POWHATAN CARTER	000001	LANGLIE MATTIX (SEVEN RVR QN GRBG)	SR	150,025,24S37E09GPASR	30-025-11077-00	P&A	O	0	23128
WV	LEA	9H 24S 37E	MYERS LANGLEIE MATTI	000221	LANGLIE MATTIX (SEVEN RVR QN GRBG)	SR	150,025,24S37E09H00SR	30-025-11075-00	INA	O	137166	68829
WV	LEA	9I 24S 37E	MYERS B FEDERAL	000014	FOWLER (DEVONIAN) DV	SR	150,025,24S37E09IPADV	30-025-11074-00	INA	O	0	113154
WV	LEA	9I 24S 37E	MYERS B FEDERAL	000026	LANGLIE MATTIX (SEVEN RVR QN GRBG)	SR	150,025,24S37E09IPKSR	30-025-25700-00	P&A	O	494270	1749
WV	LEA	9K 24S 37E	MYERS LANGLEIE MATTI	000229	LANGLIE MATTIX (SEVEN RVR QN GRBG)	SR	150,025,24S37E09K00SR	30-025-11071-00	INA	O	1093989	27526
WV	LEA	9L 24S 37E	MYERS LANGLEIE MATTI	000230	LANGLIE MATTIX (SEVEN RVR QN GRBG)	SR	150,025,24S37E09LM1SR	30-025-27004-00	INA	O	145514	5551
WV	LEA	9L 24S 37E	MYERS LANGLEIE MATTI	000996	LANGLIE MATTIX (SEVEN RVR QN GRBG)	SR	150,025,24S37E09LPKSR	30-025-11073-00	INA	O	0	2252
WV	LEA	9N 24S 37E	MYERS B FEDERAL	000032	LANGLIE MATTIX (SEVEN RVR QN GRBG)	SR	150,025,24S37E09NPKSR	30-025-25880-00	P&A	O	383401	8
WV	LEA	9O 24S 37E	MYERS B FEDERAL	000024	FOWLER (UPPER YESO) UY	PAN AMERICAN PETR CORP	150,025,24S37E09OPEUY	30-025-20768-00	P&A	O	15149	18031
WV	LEA	9P 24S 37E	MYEFS B FEDERAL RA	000012	FOWLER (UPPER YESO) UY	AMOCO PRODUCTION CO	150,025,24S37E09P00UY	30-025-11072-00	INA	O	212078	90050
WV	LEA	9P 24S 37E	MYERS B FEDERAL	000012	FOWLER (DEVONIAN) DV	AMOCO PRODUCTION CO	150,025,24S37E09PPFDV	30-025-11072-00	INA	O	1399448	177819
WV	LEA	9E 24S 37E	FOWLER HAIR	000002	JALMAT (TANSILL YATES SEVEN RIVERS)	SYS	250,025,24S37E09EPKYT	30-025-11078-00	INA	G	3476814	0
WV	LEA	9L 24S 37E	MYERS B FEDERAL	13	JALMAT (TANSILL YATES SEVEN RIVERS)	SYS	250,025,24S37E09L00YT	30-025-11073-00	ACT	G	1985469	4
WV	LEA	9O 24S 37E	MYERS B FEDERAL	29	LANGLIE MATTIX (SEVEN RVR QN GRBG)	SR	250,025,24S37E09O00SR	30-025-26455-00	ACT	G	219103	7
WV	LEA	10 24S 37E	S J CARR	5	FOWLER NORTH (ABO)	ARCH PETROLEUM INC	150,025,0251108496574	30-025-11084-00	ACT	O	8611	2550
WV	LEA	10A 24S 37E	G H MATTIX FEDERAL	1	LANGLIE MATTIX (SEVEN RVR QN GRBG)	SR	150,025,24S37E10A00SR	30-025-11080-00	ACT	O	6739	29605
WV	LEA	10B 24S 37E	MYERS LANGLEIE MATTI	191	LANGLIE MATTIX (SEVEN RVR QN GRBG)	SR	150,025,24S37E10B00SR	30-025-11091-00	ACT	O	101285	95366
WV	LEA	10C 24S 37E	MYERS LANGLEIE MATTI	000192	LANGLIE MATTIX (SEVEN RVR QN GRBG)	SR	150,025,24S37E10C00SR	30-025-11090-00	INA	O	86629	26176
WV	LEA	10D 24S 37E	MYERS LANGLEIE MATTI	193	LANGLIE MATTIX (SEVEN RVR QN GRBG)	SR	150,025,24S37E10D00SR	30-025-27385-00	INA	O	27493	23281
WV	LEA	10E 24S 37E	MYERS LANGLEIE MATTI	000222	LANGLIE MATTIX (SEVEN RVR QN GRBG)	SR	150,025,24S37E10EPKSR	30-025-11081-00	P&A	O	25789	70370
WV	LEA	10F 24S 37E	MYERS LANGLEIE MATTI	000223	LANGLIE MATTIX (SEVEN RVR QN GRBG)	SR	150,025,24S37E10F00SR	30-025-11086-00	INA	O	92436	117889
WV	LEA	10G 24S 37E	MATTIX	3	LANGLIE MATTIX (SEVEN RVR QN GRBG)	SR	150,025,24S37E10G00DV	30-025-24659-00	ACT	O	460246	132701
WV	LEA	10G 24S 37E	MYERS LANGLEIE MATTI	000224	LANGLIE MATTIX (SEVEN RVR QN GRBG)	SR	150,025,24S37E10G00DV	30-025-24659-00	ACT	O	11164	41980
WV	LEA	10H 24S 37E	MYERS LANGLEIE MATTI	225	LANGLIE MATTIX (SEVEN RVR QN GRBG)	SR	150,025,24S37E10GPKSR	30-025-11089-00	P&A	O	24352	71146
WV	LEA	10J 24S 37E	MATTIX	2	FOWLER (DEVONIAN) DV	CONOCO INC	150,025,24S37E10H00SR	30-025-11087-00	INA	O	980271	135059
WV	LEA	10J 24S 37E	MYERS LANGLEIE MATTI	227	LANGLIE MATTIX (SEVEN RVR QN GRBG)	SR	150,025,24S37E10J00DV	30-025-24407-00	ACT	O	51053	110599
WV	LEA	10K 24S 37E	S J CARR	7	FOWLER (UPPER YESO) UY	ARCH PETROLEUM INC	150,025,24S37E10K00UY	30-025-22953-00	ACT	O	357613	84958
WV	LEA	10K 24S 37E	S J CARR	000007	FOWLER (DEVONIAN) DV	CHEVRON U S A INC	150,025,24S37E10KPKDV	30-025-22953-00	INA	O	222452	90027
WV	LEA	10K 24S 37E	MYERS LANGLEIE MATTI	000228	LANGLIE MATTIX (SEVEN RVR QN GRBG)	SR	150,025,24S37E10KPKDV	30-025-11082-00	P&A	O	15438	53269
WV	LEA	10L 24S 37E	S J CARR	000009	LANGLIE MATTIX (SEVEN RVR QN GRBG)	SR	150,025,24S37E10L00SR	30-025-25463-00	INA	O	461384	0
WV	LEA	10L 24S 37E	S J CARR	6	FOWLER (UPPER YESO) UY	ARCH PETROLEUM INC	150,025,24S37E10L00SR	30-025-11085-00	ACT	O	336186	127724
WV	LEA	10L 24S 37E	S J CARR	000006	FOWLER (DEVONIAN) DV	CHEVRON U S A INC	150,025,24S37E10L00UY	30-025-11085-00	ACT	O	1237092	440517
WV	LEA	10M 24S 37E	S J CARR	8	FOWLER (UPPER YESO) UY	ARCH PETROLEUM INC	150,025,24S37E10LPKDV	30-025-11085-00	INA	O	358361	114424
WV	LEA	10N 24S 37E	MYERS LANGLEIE MATTI	249	LANGLIE MATTIX (SEVEN RVR QN GRBG)	SR	150,025,24S37E10M00UY	30-025-23929-00	ACT	O	160702	64404
WV	LEA	10N 24S 37E	S J CARR	5	FOWLER (UPPER YESO) UY	OXY U S A INC	150,025,24S37E10N00SR	30-025-11083-00	INA	O	324427	137152
WV	LEA	10N 24S 37E	S J CARR	000005	FOWLER (ELLENBURGER) EL	ARCH PETROLEUM INC	150,025,24S37E10N00UY	30-025-11084-00	ACT	O	0	569153
WV	LEA	10O 24S 37E	MYERS LANGLEIE MATTI	000250	LANGLIE MATTIX (SEVEN RVR QN GRBG)	SR	150,025,24S37E10NPAEL	30-025-11084-00	INA	O	0	8961
WV	LEA	10O 24S 37E	MATTIX	1	FOWLER (UPPER YESO) UY	CONOCO INC	150,025,24S37E10O00SR	30-025-11093-00	INA	O	0	8961
WV	LEA	10M 24S 37E	S J CARR	1	LANGLIE MATTIX (SEVEN RVR QN GRBG)	SR	150,025,24S37E10O00UY	30-025-24276-00	INA	O	483789	82267
WV	LEA	15A 24S 37E	JACK B-15	1	LANGLIE MATTIX (SEVEN RVR QN GRBG)	SR	250,025,24S37E10M00SR	30-025-27036-00	ACT	G	534325	158
WV	LEA	15A 24S 37E	SOUTH MATTIX UNIT FI	38Y	FOWLER (UPPER YESO) UY	PRIMAL ENERGY CORP	150,025,24S37E15A00SR	30-025-11108-00	ACT	O	1455435	63262
WV	LEA	15B 24S 37E	SOUTH MATTIX UNIT FI	9	FOWLER (UPPER YESO) UY	AMOCO PRODUCTION CO	150,025,24S37E15A00UY	30-025-26730-00	INA	O	63943	11521
WV	LEA	15B 24S 37E	SOUTH MATTIX UNIT FI	000009	FOWLER (UPPER YESO) UY	ALTURA ENERGY LTD	150,025,24S37E15B00UY	30-025-11117-00	ACT	O	1393557	155807
WV	LEA	15B 24S 37E	SOUTH MATTIX UNIT FI	000009	FOWLER (ELLENBURGER) EL	MAGNOLIA PETROLEUM CO	150,025,24S37E15BPAEL	30-025-11117-00	INA	O	0	207465

State	County	Location	Well Lease	Well #	Field	Operator	Retrieval Code	API Number	Status	Product	Gas Cum.	Oil Cum.
IM	LEA	15C 24S 37E	SOUTH MATTX UNIT FI	25	FOWLER (ELLENBURGER) EL	ALTURA ENERGY LTD	150,025,24S37E15C00EL	30-025-22825-00	ACT	O	355366	339504
IM	LEA	15C 24S 37E	SOUTH MATTX UNIT FI	22	FOWLER (UPPER YESO) UY	ALTURA ENERGY LTD	150,025,24S37E15C00UY	30-025-21922-00	ACT	O	2524254	198439
IM	LEA	15D 24S 37E	SOUTH MATTX UNIT FI	7	FOWLER (UPPER YESO) UY	AMOCO PRODUCTION CO	150,025,24S37E15D00UY	30-025-11115-00	INA	O	1360162	121348
IM	LEA	15D 24S 37E	SOUTH MATTX UNIT FI	000007	FOWLER (ELLENBURGER) EL	AMOCO PRODUCTION CO	150,025,24S37E15DPKEL	30-025-11115-00	INA	O	616829	1146726
M	LEA	15E 24S 37E	SOUTH MATTX UNIT FI	20	FOWLER (UPPER YESO) UY	ALTURA ENERGY LTD	150,025,24S37E15E00UY	30-025-21678-00	ACT	O	3309338	420500
M	LEA	15F 24S 37E	SOUTH MATTX UNIT FI	27	FOWLER (UPPER YESO) UY	ALTURA ENERGY LTD	150,025,24S37E15F00UY	30-025-25612-00	ACT	O	735434	47770
M	LEA	15F 24S 37E	SOUTH MATTX UNIT	000035	FOWLER (DRINKARD) DR	AMOCO PRODUCTION CO	150,025,24S37E15FPKDR	30-025-26353-00	INA	O	51221	1645
M	LEA	15F 24S 37E	SOUTH MATTX UNIT FI	000004	FOWLER (ELLENBURGER) EL	AMOCO PRODUCTION CO	150,025,24S37E15FPKEL	30-025-11113-00	INA	O	611962	1587301
M	LEA	15G 24S 37E	SOUTH MATTX UNIT FI	17	FOWLER (ELLENBURGER) EL	ALTURA ENERGY LTD	150,025,24S37E15G00EL	30-025-20298-00	ACT	O	1091342	1027605
M	LEA	15G 24S 37E	SOUTH MATTX UNIT FI	39	FOWLER (UPPER YESO) UY	ALTURA ENERGY LTD	150,025,24S37E15H00UY	30-025-11118-00	ACT	O	665627	42603
M	LEA	15G 24S 37E	SOUTH MATTX UNIT	000039	FOWLER (DRINKARD) DR	AMOCO PRODUCTION CO	150,025,24S37E15G00UY	30-025-26598-00	ACT	O	37537	10893
M	LEA	15H 24S 37E	JACK B-15	2	LANGLIE MATTX (SEVEN RVR QN GRBG) SR	PRIMAL ENERGY CORP	150,025,24S37E15GPKDR	30-025-26598-00	INA	O	2084599	40682
M	LEA	15H 24S 37E	SOUTH MATTX UNIT FI	10	FOWLER (UPPER YESO) UY	ALTURA ENERGY LTD	150,025,24S37E15H00SR	30-025-11109-00	ACT	O	1938438	252627
M	LEA	15H 24S 37E	SOUTH MATTX UNIT FI	000010	FOWLER (ELLENBURGER) EL	MAGNOLIA PETROLEUM CO	150,025,24S37E15HPAEL	30-025-11118-00	INA	O	0	26042
M	LEA	15I 24S 37E	SOUTH MATTX UNIT FI	37	FOWLER (DRINKARD) DR	ALTURA ENERGY LTD	150,025,24S37E15I00DR	30-025-26355-00	ACT	O	694104	117363
M	LEA	15J 24S 37E	SOUTH MATTX UNIT FI	1	FOWLER (ELLENBURGER) EL	ALTURA ENERGY LTD	150,025,24S37E15J00EL	30-025-11111-00	ACT	O	2333235	1872043
M	LEA	15J 24S 37E	SOUTH MATTX UNIT FI	000001	FOWLER (UPPER YESO) UY	AMOCO PRODUCTION CO	150,025,24S37E15JPJUY	30-025-11111-00	INA	O	1152992	76527
M	LEA	15K 24S 37E	SOUTH MATTX UNIT FI	000021	FOWLER (UPPER YESO) UY	AMOCO PRODUCTION CO	150,025,24S37E15KM1UY	30-025-21873-00	INA	O	798053	29985
M	LEA	15K 24S 37E	SOUTH MATTX UNIT FI	40	FOWLER (UPPER YESO) UY	ALTURA ENERGY LTD	150,025,24S37E15KM2UY	30-025-31475-00	ACT	O	203139	4390
M	LEA	15K 24S 37E	SOUTH MATTX UNIT FI	000021	FOWLER (ELLENBURGER) EL	AMOCO PRODUCTION CO	150,025,24S37E15KPCEL	30-025-21873-00	INA	O	271615	622535
M	LEA	15K 24S 37E	SOUTH MATTX UNIT FI	000014	FOWLER (UPPER YESO) UY	AMOCO PRODUCTION CO	150,025,24S37E15KPCEL	30-025-21873-00	INA	O	1058366	201421
M	LEA	15L 24S 37E	SOUTH MATTX UNIT FI	6	FOWLER (UPPER YESO) UY	AMOCO PRODUCTION CO	150,025,24S37E15KPCEL	30-025-11110-00	INA	O	3068347	204286
M	LEA	15L 24S 37E	SOUTH MATTX UNIT FI	000006	FOWLER (ELLENBURGER) EL	AMOCO PRODUCTION CO	150,025,24S37E15L00UY	30-025-11114-00	INA	O	288252	1176452
M	LEA	15M 24S 37E	SOUTH MATTX UNIT FI	26	FOWLER (UPPER YESO) UY	AMOCO PRODUCTION CO	150,025,24S37E15LPHL	30-025-11114-00	INA	O	300171	95500
M	LEA	15N 24S 37E	SOUTH MATTX UNIT FI	2	FOWLER (UPPER YESO) UY	ALTURA ENERGY LTD	150,025,24S37E15M00UY	30-025-24497-00	ACT	O	3799547	283832
M	LEA	15N 24S 37E	SOUTH MATTX UNIT FI	000002	FOWLER (ELLENBURGER) EL	ALTURA ENERGY LTD	150,025,24S37E15N00UY	30-025-11112-00	ACT	O	0	887228
M	LEA	15O 24S 37E	SOUTH MATTX UNIT FI	24	FOWLER (ELLENBURGER) EL	MAGNOLIA PETROLEUM CO	150,025,24S37E15NPAEL	30-025-11112-00	INA	O	507918	34653
M	LEA	15O 24S 37E	SOUTH MATTX UNIT FI	000016	FOWLER (UPPER YESO) UY	AMOCO PRODUCTION CO	150,025,24S37E15O00EL	30-025-22488-00	INA	O	4542310	27402
M	LEA	15P 24S 37E	SOUTH MATTX UNIT FI	8	FOWLER (UPPER YESO) UY	AMOCO PRODUCTION CO	150,025,24S37E15OPKUY	30-025-20557-00	INA	O	511850	1146240
M	LEA	15P 24S 37E	SOUTH MATTX UNIT FI	30	FOWLER (UPPER YESO) UY	ALTURA ENERGY LTD	150,025,24S37E15P00EL	30-025-11116-00	ACT	O	944952	43268
M	LEA	15 24S 37E	SOUTH MATTX UNIT FI	4	FOWLER (PADDOCK UPPER) PU	ALTURA ENERGY LTD	150,025,24S37E15P00UY	30-025-25747-00	ACT	O	810454	0
M	LEA	15D 24S 37E	COURTLAND MYERS B	2	LANGLIE MATTX (SEVEN RVR QN GRBG) SR	HARTMAN DOYLE	250,025,0251111377080	30-025-11113-00	ACT	G	0	0
M	LEA	15F 24S 37E	SOUTH MATTX UNIT FI	4	FOWLER (PADDOCK UPPER) PU	AMOCO PRODUCTION CO	250,025,24S37E15D00SR	30-025-25745-00	ACT	G	965861	0
M	LEA	15G 24S 37E	SOUTH MATTX UNIT FI	000033	FOWLER (PADDOCK UPPER) PU	AMOCO PRODUCTION CO	250,025,24S37E15F00PU	30-025-26353-00	INA	G	1645609	0
M	LEA	15H 24S 37E	SOUTH MATTX UNIT FI	000010	FOWLER (PADDOCK UPPER) PU	AMOCO PRODUCTION CO	250,025,24S37E15GPKPU	30-025-27251-00	INA	G	774104	139
M	LEA	15K 24S 37E	SOUTH MATTX UNIT FI	000014	FOWLER (PADDOCK UPPER) PU	MAGNOLIA PETROLEUM CO	250,025,24S37E15HPAPU	30-025-11118-00	INA	G	360697	0
M	LEA	15K 24S 37E	COURTLAND MYERS B	1	LANGLIE MATTX (SEVEN RVR QN GRBG) SR	AMOCO PRODUCTION CO	250,025,24S37E15K00PU	30-025-11110-00	INA	G	2928808	14
M	LEA	15K 24S 37E	SOUTH MATTX UNIT FI	000014	FOWLER (TUBB) TB	AMOCO PRODUCTION CO	250,025,24S37E15K00SR	30-025-25746-00	ACT	G	1196757	0
M	LEA	15O 24S 37E	SOUTH MATTX UNIT FI	000016	FOWLER (PADDOCK UPPER) PU	AMOCO PRODUCTION CO	250,025,24S37E15K00TB	30-025-11110-00	INA	G	934032	31586
M	LEA	15O 24S 37E	SOUTH MATTX UNIT FI	16	FOWLER (TUBB) TB	AMOCO PRODUCTION CO	250,025,24S37E15O00PU	30-025-20557-00	INA	G	7659577	168
M	LEA	15O 24S 37E	SOUTH MATTX UNIT FI	23	FOWLER (UPPER YESO) UY	AMOCO PRODUCTION CO	250,025,24S37E15O00TB	30-025-20557-00	INA	G	2200985	46187
M	LEA	16 24S 37E	MEXICO G	3	JALMAT (TANSILL YATES SEVEN RIVERS)YS	ALTURA ENERGY LTD	250,025,24S37E15OM0UY	30-025-22145-00	ACT	G	1694852	20746
M	LEA	16A 24S 37E	NEW MEXICO AB STATI	000004	LANGLIE MATTX (SEVEN RVR QN GRBG) SR	HARTMAN DOYLE	150,025,0253268379240	30-025-32683-00	ACT	O	130339	0
M	LEA	16A 24S 37E	NEW MEXICO AB STATI	000004	FOWLER (UPPER YESO) UY	HENDRIX JOHN H CORP	150,025,24S37E16A00SR	30-025-26195-00	INA	O	67284	0
M	LEA	16B 24S 37E	STATE D TR. 15	000003	LANGLIE MATTX (SEVEN RVR QN GRBG) SR	HENDRIX JOHN H CORP	150,025,24S37E16A00UY	30-025-26195-00	INA	O	53874	22611
M	LEA	16B 24S 37E	STATE D	000003	FOWLER (DEVONIAN) DV	AMOCO PRODUCTION CO	150,025,24S37E16B00SR	30-025-20300-00	INA	O	535107	0
M	LEA	16B 24S 37E	STATE D	000003	FOWLER (UPPER YESO) UY	AMOCO PRODUCTION CO	150,025,24S37E16BPHDV	30-025-20300-00	INA	O	658090	68935
M	LEA	16F 24S 37E	MEXICO G	000002	FOWLER (UPPER YESO) UY	AMOCO PRODUCTION CO	150,025,24S37E16BPBUY	30-025-20300-00	INA	O	119472	96592
M	LEA	16F 24S 37E	MEXICO G	000002	LANGLIE MATTX (SEVEN RVR QN GRBG) SR	TEXACO EXPL & PROD INC	150,025,24S37E16F00UY	30-025-11123-00	INA	O	99427	31410
M	LEA	16G 24S 37E	J R HOLT NCT A	3	FOWLER (UPPER YESO) UY	GETTY OIL CO	150,025,24S37E16FFPSR	30-025-11123-00	INA	O	1259924	719
						ARCH PETROLEUM INC	150,025,24S37E16G00UY	30-025-11126-00	ACT	O	135881	74094



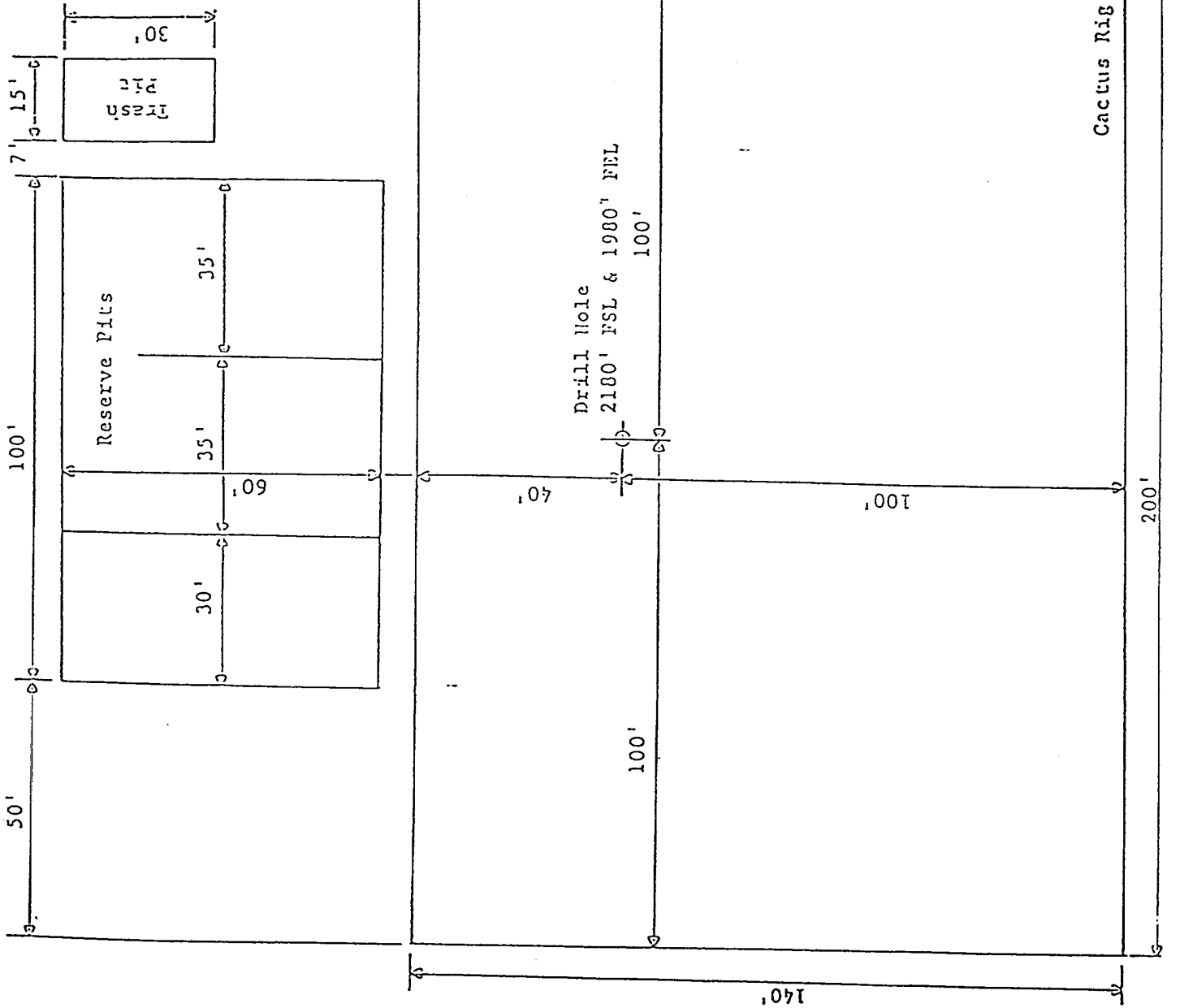
Anticipated Completion Well Schematic
 Courtland Myers "B" No. 2-A
 990' FNL & 840' FWL (D)
 Sec. 15, T-24-S, R-37-E
 Lea County, N. M.



Cement w/450 sx API Class "C" containing 3% Econolite and 5#/sx Gilsonite and 1/2#/sx Flowcele followed by 350 sx 50-50 blend Poz-Mix "A" and Class "C" containing 18% salt and 2% gel and 1/4#/sx Flowcele.

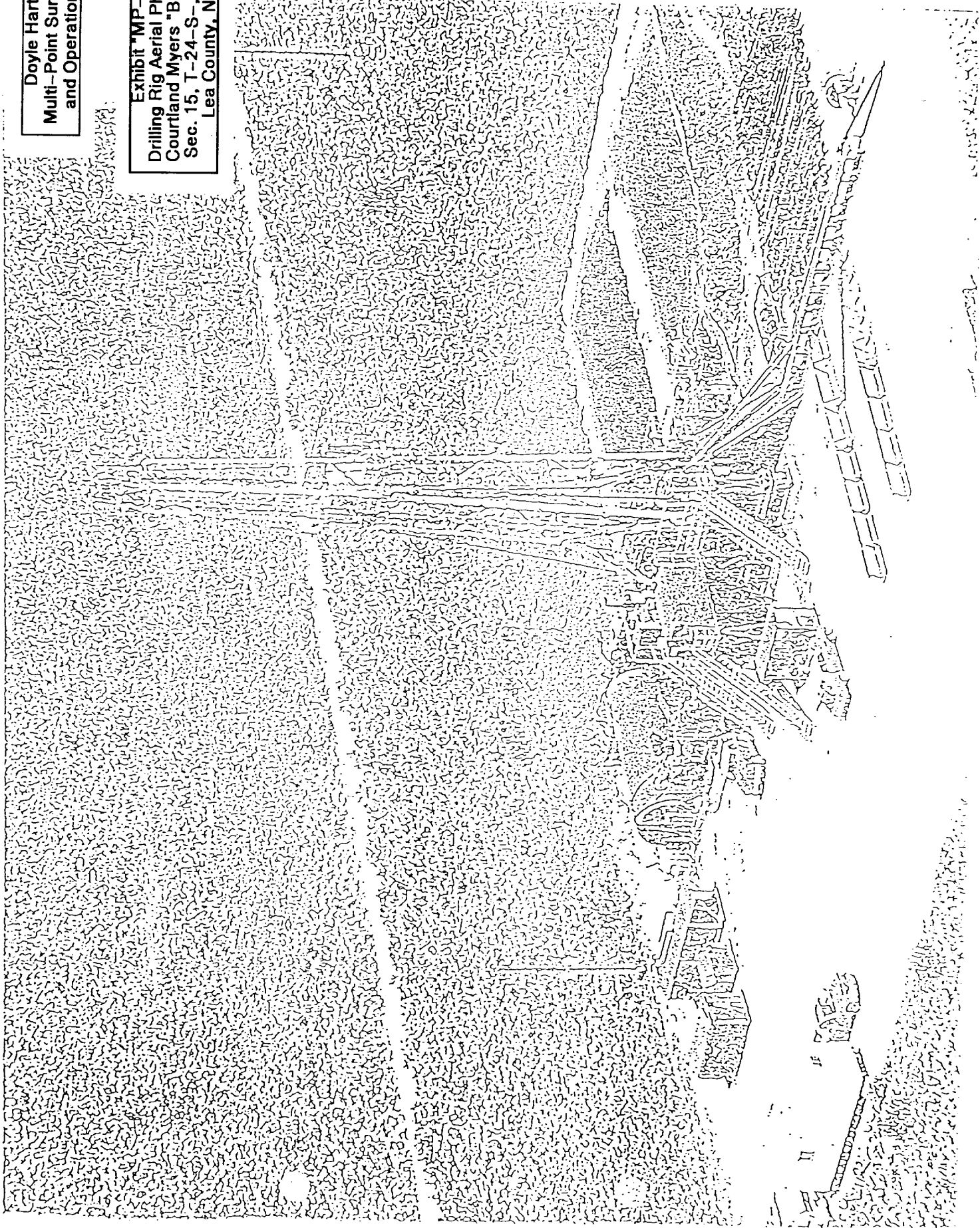
Exhibit "MP-3"
Drilling Pad Dimensions
Courtland Myers "B" No. 2-A
Sec. 15, T-24-S-, R-37-E
Lea County, N. M.

 NORTH



Doyle Hartman
Multi-Point Surface Use
and Operations Plan

Exhibit "MP-4"
Drilling Rig Aerial Photograph
Courtland Myers "B" No. 2-A
Sec. 15, T-24-S-, R-37-E
Lea County, N. M.



an
ce Use
Plan

out
No. 2-A
R-37-E
M.

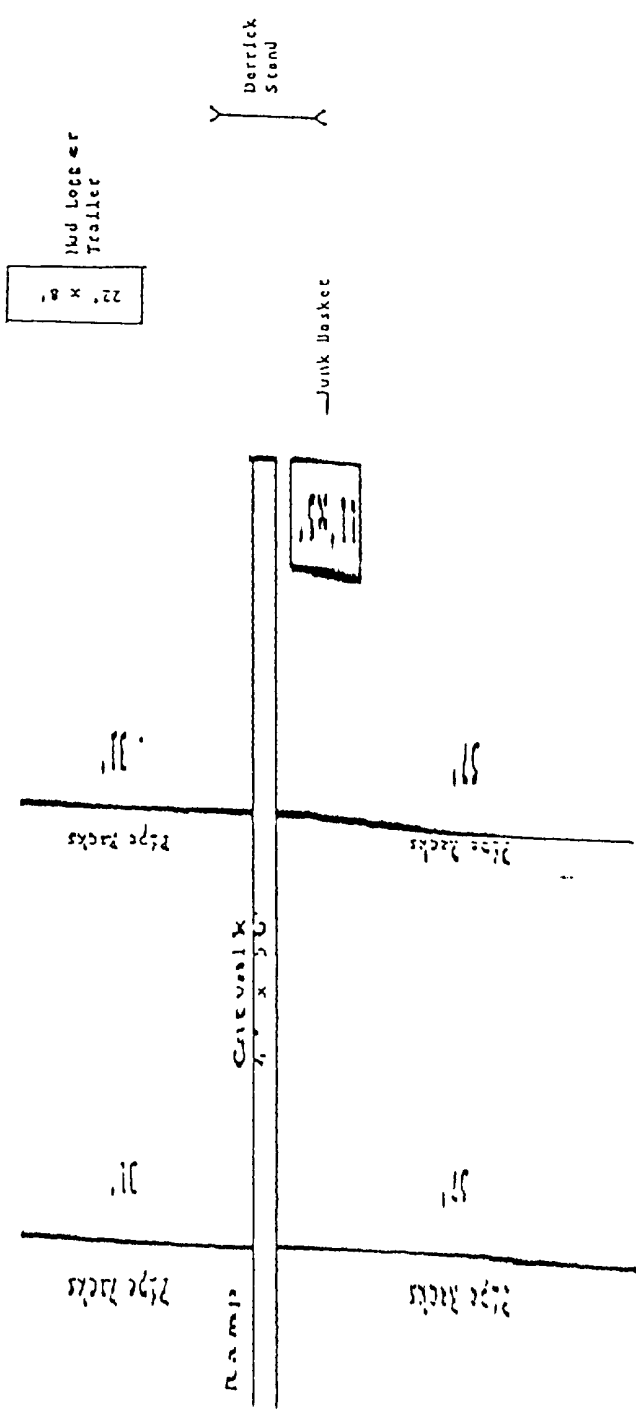
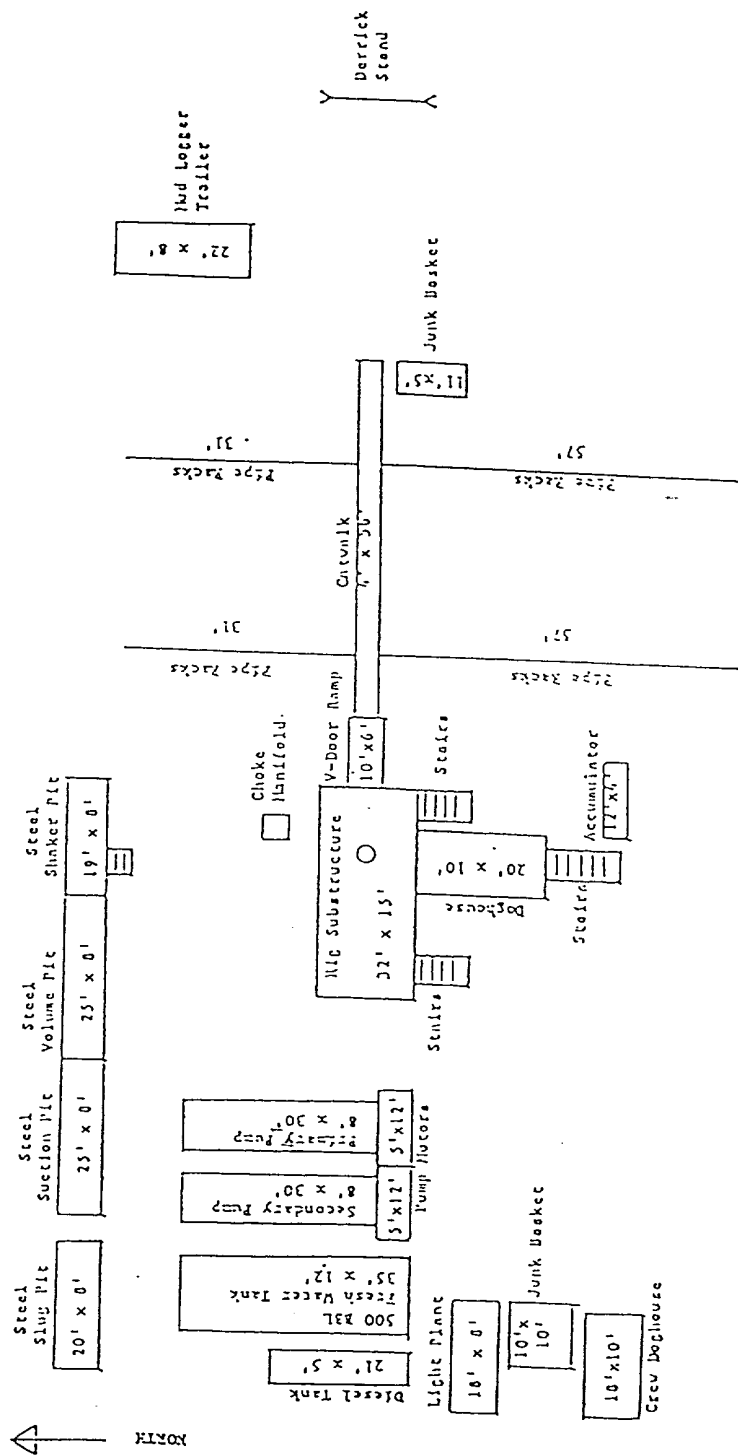


Exhibit "MP-4"
Drilling Rig Layout
Courtland Myers "B" No. 2-A
Sec. 15, T-24-S-, R-37-E
Lea County, N. M.



Doyle Hartman
Multi-Point Surface Use
and Operations Plan

Exhibit "MP-4"
Drilling Rig Layout
Courtland Myers "B" No. 2-A
Sec. 15, T-24-S-, R-37-E
Lea County, N. M.

Company Man Trailer

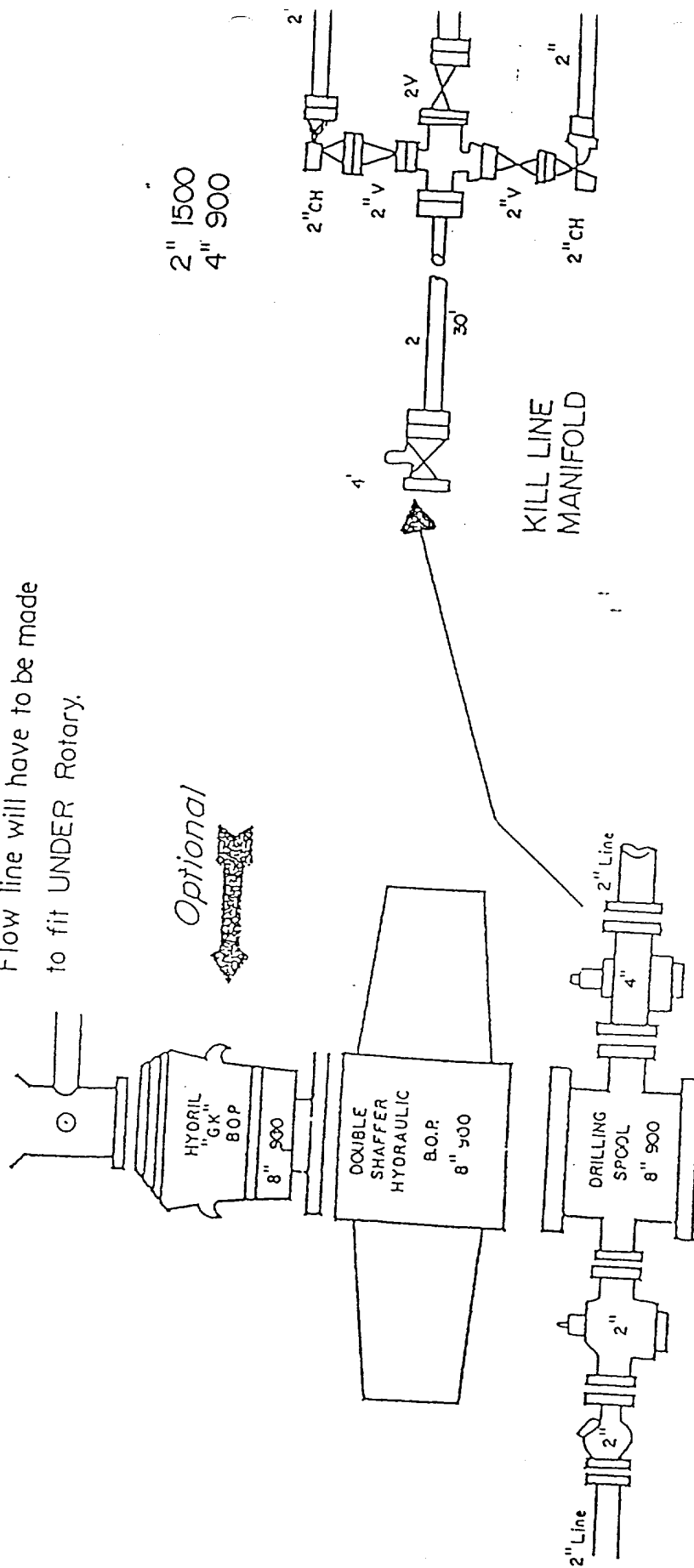
32' x 0'

2-1' x 0'

Scale 1" = 30'

Exhibit "MP-5"
BOP & Choke Manifold Diagram
Courtland Myers "B" No. 2-A
Sec. 15, T-24-S-, R-37-E
Lease No. LC-031621-B

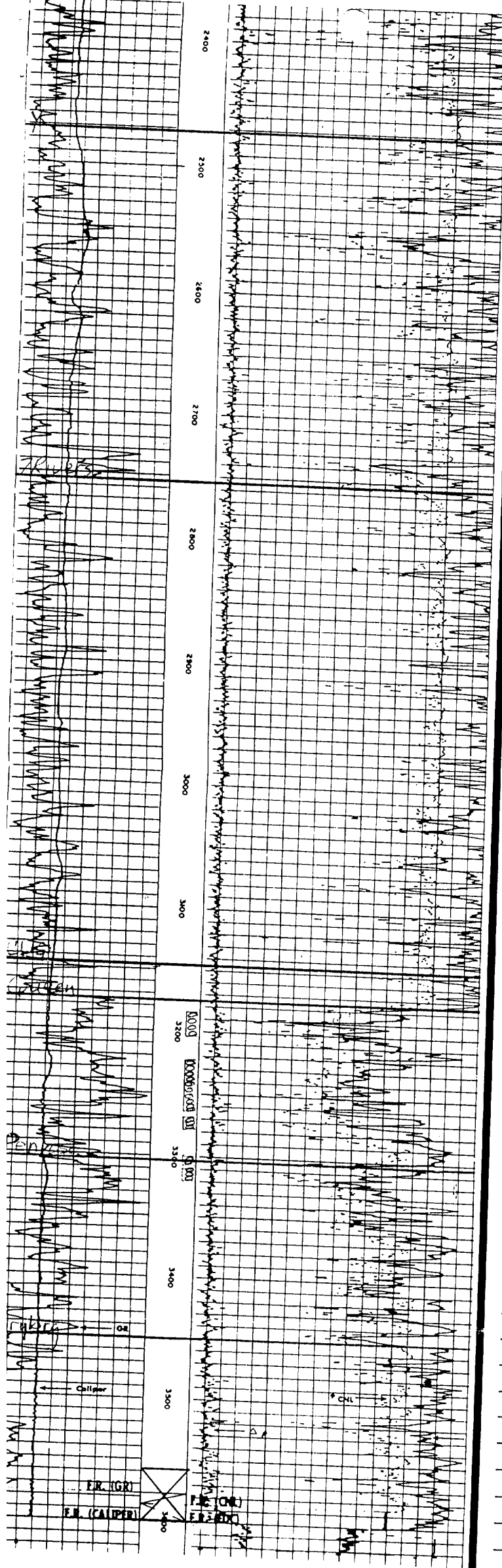
Flow line will have to be made to fit UNDER Rotary.



11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

4

Received
Hoods
OCD



D-15-24S-37E

COMPANY Doyle Ha. an, Oil Operator
(Amoco Prod. Co.)
WELL Courtland Myers "B" No. 2
(Myers "B" Federal No. 28)
FIELD Langlie Mattix
LOCATION 660' FNL & 810' FWL (D)
Section 15, T-24-S, R-37-E
COUNTY Lea
STATE New Mexico
ELEVATIONS: KB 3271'
DF _____
GL 3256.5'

C M LINT N BC
SPUD DATE 12-2-77 COMP. DATE 12-24-77
TD 3600' PBD 3558'
CASING RECORD 9 5/8" @ 1025' w/475 sxs. (Circ. 25 sxs.)
7" @ 3600' w/700 sxs. (Circ. 55 sxs.)
PERFORATING RECORD 3187-3317'
STIMULATION A/3500
SF/50,000 + 60,875
IP F/912 MCFPD
GOR _____ GR _____
TP 45# CP 200#
CHOKE 48/64" TUBING 2 3/8" @ 3330'
REMARKS 11-20-96: CO to PBD @ 3553' RKB. Pressure tstd
csg 3352-3553' to 2600 psi & surf to 1414' to 3000 psi-good.
A/975(3301-3317'). A/260(3225-3276'). A/1025(3187-3202').
Ran 2 3/8" tbg. Pmpd.310 MCFPD + 53 BWPD w.35 psi csg.
12-99: P & A'd.

13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Received
F1008
600

DOYLE HARTMAN

Oil Operator

500 N. MAIN

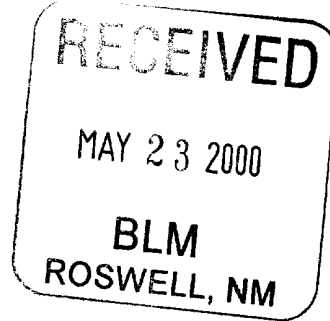
P.O. BOX 10426

MIDLAND, TEXAS 79702

(915) 684-4011

May 16, 2000

Mr. Barry Hunt
Carlsbad Resource Area
Bureau of Land Management
Post Office Box 1778
Carlsbad, New Mexico 88220



RECEIVED
2000 MAY 19 P 1:52
BUREAU OF LAND MGMT.
CARLSBAD RESOURCE AREA

Re: Application for Permit to Drill
Courtland Myers "B" 2-A
990' FNL & 840' FWL
Section 15, T-24-S, R-37-E
Lea Co., New Mexico

Dear Mr. Hunt:

Enclosed are an original and five (5) copies of an Application to Drill (USGS Form 3160-3) for the above captioned well.

Also enclosed with the application are an original and five (5) copies of the following:

1. Well Location Plat (State of New Mexico Form C-102)
2. Drilling Prognosis
3. Multi-point Surface Use and Operations Plan
4. Archeological Survey
5. Letter to the Surface Land Owner

Please let me know if we may furnish any further information in this regard

Sincerely,

DOYLE HARTMAN

Don Mashburn (CB)

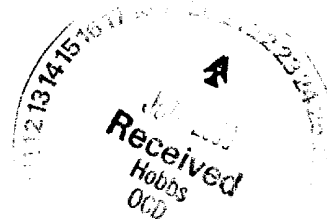
Don Mashburn
Production Supervisor

cb
Enclosures

ABOVE DATE DOES NOT
INDICATE WHEN
CONFIDENTIAL LOGS
WILL BE RELEASED

ELF

9/5/72



Bureau of Land Management
May 16, 2000
Page 2

cc: Bureau of Land Management
Attn: Mr. Ed Roberson
2909 W. 2nd Street
Roswell, New Mexico 88201

Bureau of Land Management
Attn: Mr. Vince Baldaz
414 N. Taylor
Hobbs, New Mexico 88240

New Mexico Oil Conservation Division
District I Office
Post Office Box 1980
Hobbs, New Mexico 88240

ABOVE DATE DOES NOT
INDICATE WHEN
CONFIDENTIAL LOGS
WILL BE RELEASED

ELF

9/5/12

