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STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 10255
Order No. R-9469

APPLICATION OF MOBIL EXPLORATION &
PRODUCING U.S. INC. FOR AN UNORTHODOX
OIL WELL LOCATION AND A NON-STANDARD OIL
PRORATION UNIT, RIO ARriba COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

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OIL CON. DIV.
DIST. 3

This cause came on for hearing at 8:15 a.m. on March 7, 1991, at Santa Fe, New Mexico, before Examiner Jim Morrow.

NOW, on this 25th day of March, 1991, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

(1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) The applicant, Mobil Exploration & Producing U.S. Inc. (Mobil), seeks approval for an unorthodox oil well location in the Undesignated West Lindrith Gallup-Dakota Oil Pool for its Lindrith "B" Unit Well No. 78 to be drilled 2030 feet from the South line and 143 feet from the West line (Unit L) of Section 6, Township 24 North, Range 2 West, NMPM, Rio Arriba County, New Mexico. Lots 6 and 7 and the E/2 SW/4 (SW/4 equivalent) of said Section 6 would be dedicated to the well forming a non-standard 151.34-acre oil spacing and proration unit for said pool.

(3) Mobil originally planned to drill a well at a location in the SE/4 of Section 1, Range 3 West (the section immediately west of said Section 6) on trend with its existing Lindrith "B" Unit Wells Nos. 76 and 77 also in Section 1, Range 3 West, NMPM, Rio Arriba County, New Mexico. Wells Nos. 76 and 77 both produce from the Dakota "D" Sandstone. Well No. 77 was completed on January 1, 1991 with an initial potential of 124 BOPD, 74 MCFD and 21 BWPD.

(4) An Anasazi Burial Tower and artifacts in the area prevented location of the well in the SE/4 of Section 1 as originally planned. Another location near the section line between sections 1 and 6 was considered, but could not be used because of power lines and fences; the location was then moved to the applied for location in Section 6.

(5) Mobil's witness testified that the location in Section 6 described in Finding (2) above would allow continued development of the Dakota "D" Sandstone on trend with its Lindrith "B" Unit Wells Nos. 76 and 77.

(6) No interested party appeared and objected to the applicant's request.

(7) The proposed well is within the same Lindrith "B" Unit Participating Area as the offset acreage in Section 1, and therefore there will be no impairment of correlative rights by granting this application.

(8) Approval of this application would allow Mobil to continue development of the Dakota "D" Sandstone in this area and would prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED THAT:

(1) The application of Mobil Exploration & Producing U.S. Inc. for an unorthodox oil well location and a non-standard oil proration unit for its Lindrith "B" Unit Well No. 78, Undesignated West Lindrith Gallup-Dakota Oil Pool is hereby approved.

(2) Approved location is 2030 feet from the South line and 143 feet from the West line (Unit L) of Section 6, Township 24 North, Range 2 West, NMPM, Rio Arriba County, New Mexico.

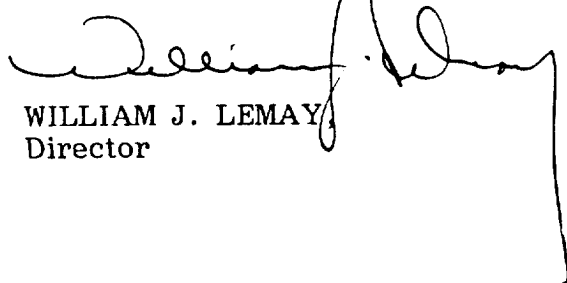
(3) Lots 6 and 7 and the E/2 SW/4 (SW/4 equivalent) of said Section 6 shall be dedicated to said well forming a non-standard 151.34-acre oil spacing and proration unit for said pool.

Case No. 10255
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(4) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY
Director

dr,

Mobil Exploration & Producing U.S. Inc.

February 1, 1991

P.O. BOX 633
MIDLAND, TEXAS 79702

MIDLAND DIVISION

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
State Land Office Building
P.O. Box 2088
Santa Fe, New Mexico 87504

Attention: Mr. William J. Lemay

UNORTHODOX WELL LOCATION
LINDRITH B UNIT LEASE
WELL NO. 78
UNDESIGNATED DAKOTA FIELD
RIO ARriba COUNTY, NEW MEXICO

Gentlemen:

Mobil Exploration & Producing U.S. Inc. (MEPUS), as Agent for Mobil Producing Texas & New Mexico Inc., respectfully requests authority to drill and complete the subject well on an unorthodox location. This request is necessary because location #78 is less than 790' from the quarter section line, as required by the West Lindrith (Gallup/Dakota) Field Rules; well #78 must abide by these rules since it is less than one mile from this established pool.

The following items are being submitted, in triplicate, in support of this request:

1. Form C-101 - Application for Permit to Drill, Deepen or Plug Back;
2. Form C-102 - Well location and acreage dedication plat;
3. Map showing Offset Operators;
4. Copy of Certified letter to Offset Operators.

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DIST. 3

State of New Mexico
Unorthodox Well Location
Lindrith B Unit #78

-2-

February 1, 1991

A copy of this letter and attachments are being furnished to the Offset Operator by Certified Mail, as notice of this application.

If further information is needed to process this request, please call Ann Moore at (915) 688-1772.

Yours very truly,

C. A. Moore

for D. P. Klancher
Environmental & Regulatory/
LP Supervisor

Mobil Exploration & Producing U.S. Inc.
as Agent for
Mobil Producing Texas & New Mexico Inc.

CAMoore

attachments

cc: Oil Conservation Division - Aztec
Offset Operator (w/attach)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

FORM APPROVED.
Budget Bureau No. 1004-0136
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK				5. LEASE DESIGNATION AND SERIAL NO.	
1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>				SF - 78907	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>				6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
2. NAME OF OPERATOR MOBIL PRODUCING TEXAS & NEW MEXICO INC				7. UNIT AGREEMENT NAME LINDRITH B	
3. ADDRESS OF OPERATOR C/O MOBIL EXPLORATION & PRODUCING US INC, P. O. BOX 633, MIDLAND, TX 79702				8. FARM OR LEASE NAME LINDRITH B UNIT	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 2030' FSL; 143' FWL At proposed prod. zone SAME				9. WELL NO. 78	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 5 MILES NW OF LINDRITH, NEW MEXICO				10. FIELD AND POOL, OR WILDCAT UNDESIGNATED DAKOTA	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 2035' F INSIDE PARCEL		16. NO. OF ACRES IN LEASE 2,451.24		17. NO OF ACRES ASSIGNED TO THIS WELL 160	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2403' NW TO 77		19. PROPOSED DEPTH 7900'		20. ROTARY OR CABLE TOOLS ROTARY	
21. ELEVATIONS (Show Whether DF, RT, GR, ETC.) 7004' GL				22. APPROX. DATE WORK WILL START APRIL 1, 1991	
23. PROPOSED CASING AND CEMENTING PROGRAM					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT	
17-1/2	13-3/8	48#	0-450'	TO SURFACE W/625 CU. FT.	
11	5-1/2	15.5#	0-3300'	TO SURFACE W/2123 CU. FT.	
8-3/4	5-1/2	15.5#	3300-7900'	3300' TO 7900' W/1036 CU. FT.	

SEE ATTACHED 8 POINT WELL CONTROL PLAN FOR ADDITIONAL DRILLING INFORMATION.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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. C.A. Moore SIGNED ENV. & REG. TECHNICIAN II TITLE 02-01-91 DATE

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Mobil Oil Corporation
Lindrith "B" Unit #78
2030' FSL and 143' FWL
Section 6, T-24-N, R-2-W
Rio Arriba Co., New Mexico

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8 Point Drilling Program

1. ESTIMATED FORMATION TOPS*

<u>Formation Name</u>	<u>Depth from GL</u>	<u>Depth from KB</u>	<u>Subsea Depth</u>
Base Ojo Alamo	2,705'	2,717'	7,004'
Fruitland	3,065'	3,077'	3,939'
Pictured Cliffs	3,269'	3,281'	3,735'
Menefee	4,977'	4,989'	2,027'
Point Lookout	5,491'	5,503'	1,513'
Gallup	6,623'	6,635'	381'
Dakota D	7,733'	7,745'	-729'
Burro Canyon	7,790'	7,802'	-786'
Total Depth (TD)	7,900'	7,912'	-896'

* All depths based on ungraded ground level of 7,032 '

2. NOTABLE ZONES

The estimated formation top depths from ungraded GL at which water, oil, gas, or other mineral bearing zones may be encountered are:

<u>Possible Water Zone</u>	<u>Possible Coal Zone.</u>	<u>Possible Oil or Gas Zones</u>
Fruitland 3,065'	Fruitland 3,065'	Fruitland 2,603'
	Menefee 4,977'	Pictured Cliffs 3,269'
		Point Lookout 5,491'
		Gallup 6,623
		Dakota D 7,733'

Propose to drill, complete and equip a oil producer in the Dakota D sand in an undesignated field. Hydraulic fracturing stimulation will probably be necessary.

The well will be cased throughout its length and cemented to the cemented, if possible, to surface.

If the well is plugged and abandoned, then cement plugs will be placed opposite all open perforations extending 50 above the highest perforation and 50 below the lowest perforation in each interval. See PAGE 5 for diagrams of completed and plugged well bores.

Mobil Oil Corporation
Lindrith "B" Unit #78
2030' FSL and 143' FWL
Section 6, T-24-N, R-2-W
Rio Arriba Co., New Mexico

Page 2

3. PRESSURE CONTROL (Also see "5" on PAGE 3)

The drilling contract has not yet been awarded, thus the exact types of BOPs to be used are not yet known. Examples of a typical BOP and choke manifold are on PAGE 4. Maximum anticipated surface pressure will be 1,500 psi.

Once out from under the surface casing, a minimum 11" 2,000 psi system will be used with two hydraulic rams (blind/pipe). The choke manifold will have a minimum 2,000 psi rating.

BOPs will be tested to their working pressure after nipping up and after any use under pressure. Pipe rams will be function tested daily. Blind rams will be function tested after each trip out of the hole. BOP tests will be recorded on IADC reports.

Upper and lower kelly valves, floor safety valve, and drill string inside BOP rated at a minimum 2,000 psi will be maintained on the floor at all times. Upper and lower kelly valves will be in use at all times. Back pressure and full opening drill string safety valves will be available on the rig floor at all times.

4. CASING & CEMENTING

<u>Hole Size</u>	<u>OD.</u>	<u>Weight</u>	<u>Grade</u>	<u>Conn.</u>	<u>Age</u>	<u>Setting Depth(GL)</u>
17 1/2"	13 3/8"	48 #	H40	STC	New	0000' - 0450'
11"	5 1/2"	15.5#	K55	LTC	New	0000' - 3300'
8 3/4"	5 1/2"	15.5#	K55	LTC	New	3300' - 7900'

Surface Casing (0' to 450'): Cement to surface with 625 cubic feet. Volume calculated with 100% excess. Class B slurry + 2% CaCl₂.

Production Casing (0 to 7,900'): Multistage cement tool @ +/- 3,300'. Cement to 3,300' with 1036 cubic feet for the first stage. Volume calculated with 30% excess. Lead with slurry of 65/35 H Poz + 6.25 # gilsonite. Tail with Class H + 1# latex. Cement to surface with 2123 cubic feet for the second stage. Volume calculated with 30% excess. Lead with slurry of 65/35 H Poz + 6.25 # gilsonite. Tail with Class H + 1# latex.

5. MUD PROGRAM

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0000'-0450'	Native spud mud(gel & water)	+/- 8.8	35-45	NC
0450'-7900'	Gel/Drispac/caustic/phpa sys	8.8-9.0	35-45	10-15

Mobil Oil Corporation
Lindrith "B" Unit #78
2030' FSL and 143' FWL
Section 6, T-24-N, R-2-W
Rio Arriba Co., New Mexico

Page 3

6. CORING, TESTING, LOGGING

No cores are currently planned. DIL-SFL-GR-SP, Density-Neutron-GR-Cal and FMS standard production logs may be run.

7. DOWNHOLE CONDITIONS

Lost circulation is likely in the Fruitland and Pictured Cliffs zone due to subnormal pressures. in some subnormally pressured zones. No abnormally high pressures, temperatures, or hydrogen sulfide are expected.

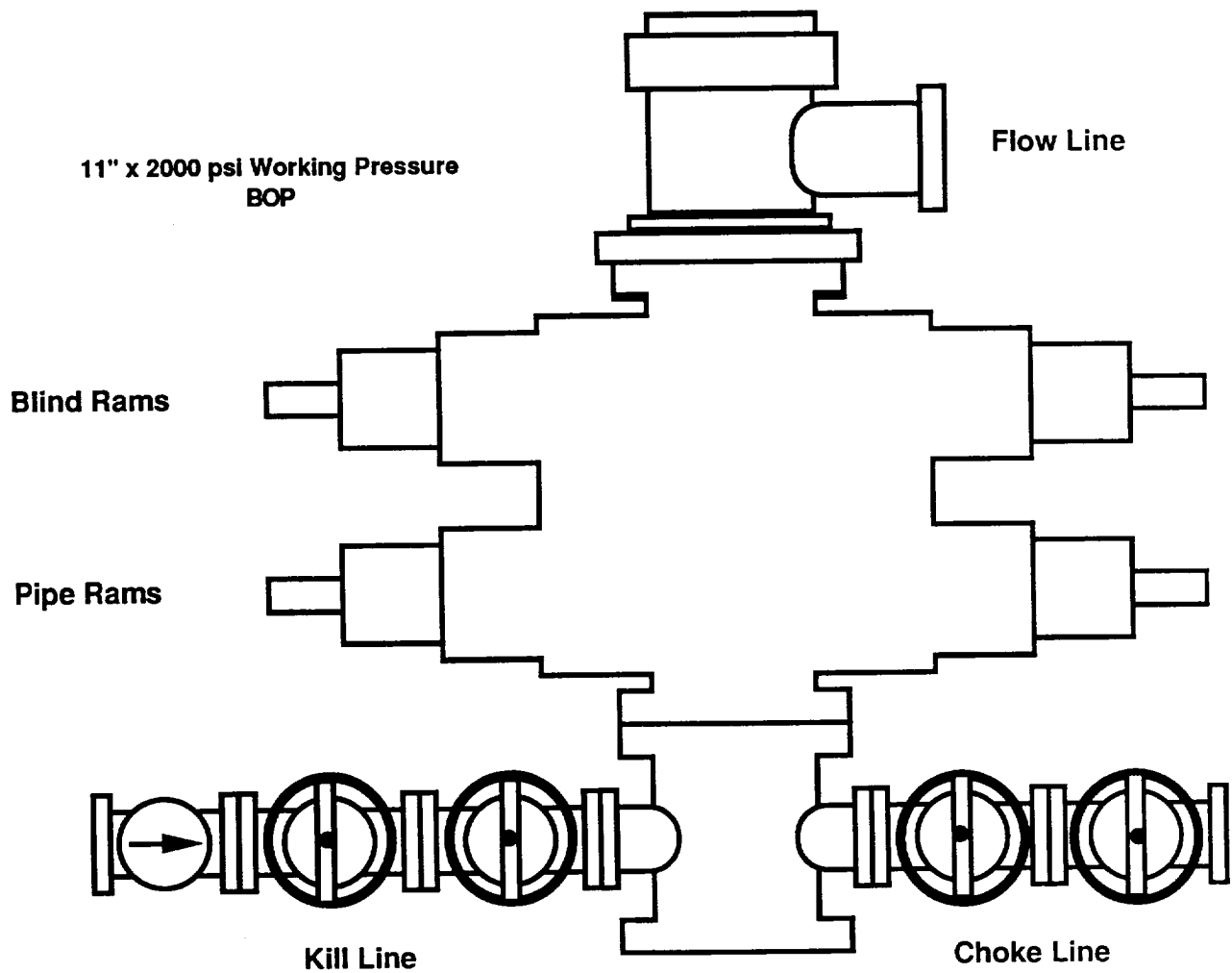
8. MISCELLANEOUS

The anticipated spud date is April 1, 1991. It is expected it will take +/-20 days to drill the well and 10 days to complete the well.

Mobil Oil Corporation
Lindrith "B" Unit #78
2030' FSL and 143' FWL
Section 6, T-24-N, R-2-W
Rio Arriba Co., New Mexico

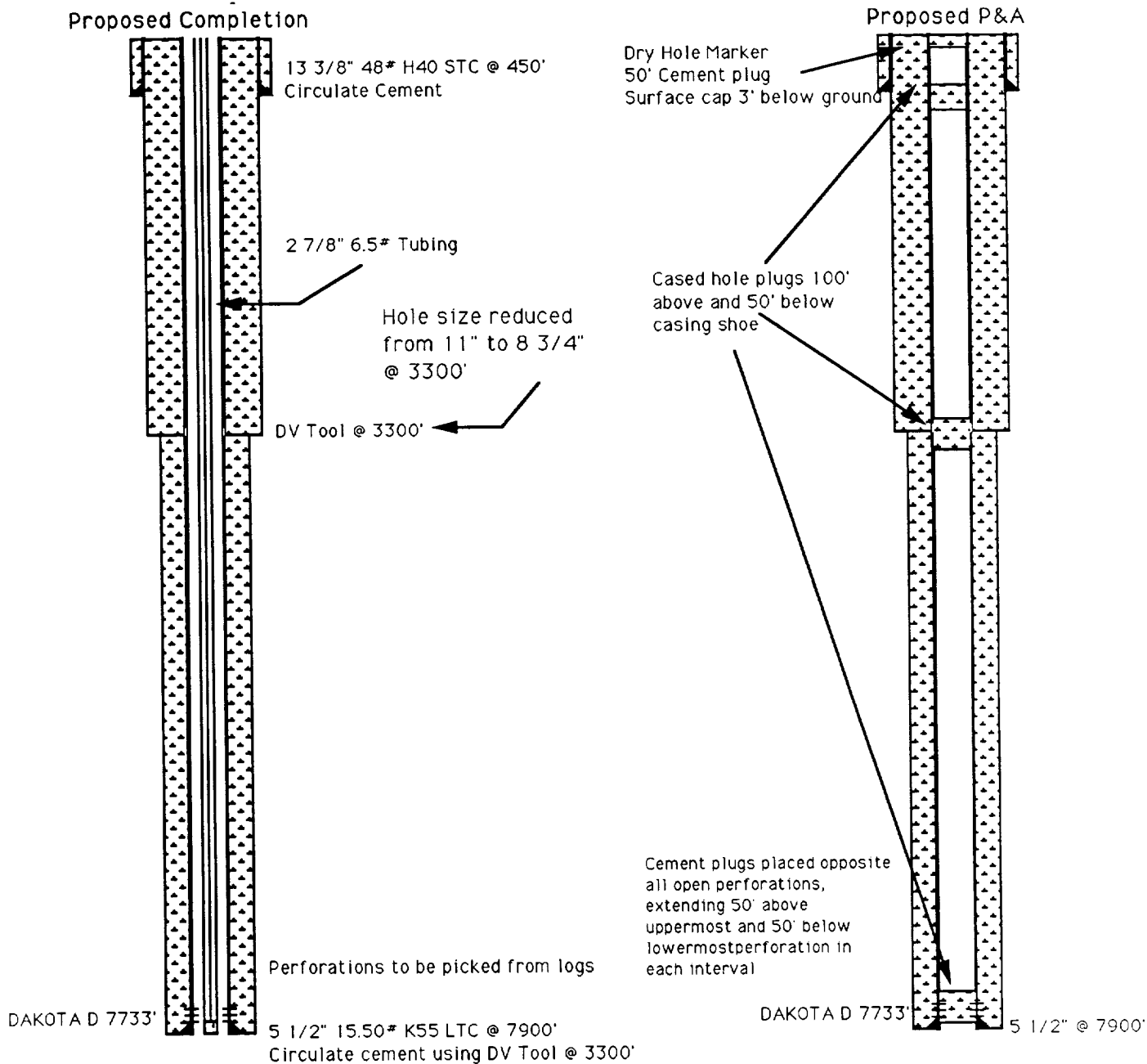
Page 4

Blowout Preventer Diagram



Mobil Oil Corporation
 Lindrith "B" Unit #78
 2030' FSL and 143' FWL
 Section 6, T-24-N, R-2-W
 Rio Arriba Co., New Mexico

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*MOBIL EXPLORATION AND PRODUCING U.S. INC.
MIDLAND DIVISION
SURFACE USE AND OPERATION PLAN
LINDRITH "B" UNIT LOCATION NO. 78
143' FWL & 2030' FSL
SECTION 6, T-24-N, R-2-W
RIO ARRIBA COUNTY, NEW MEXICO*

*JANUARY 21, 1991
BY: G.E. WILKINSON*

SURFACE USE AND OPERATION PLAN

1. EXISTING ROADS (See attached Maps "A" and "B")

From Lindrith New Mexico the well site is 3 miles North on State Highway 595; then 1.0 miles West on a graded dirt County road; then South 0.8 miles on an existing lease road; then 1.3 miles West, South, West, and Northwest respectively on an existing road to be upgraded, sanded, and six 18" and one 24" culverts added where necessary to the beginning of the proposed access road. The proposed access road will exit to the West and the well site will be 1.0 miles distant. Existing lease roads will be maintained in as good or better condition than now exist.

2. PLANNED ACCESS ROAD (See attached maps "B" and "C")

The planned access road will exit from the existing lease road in a Westerly direction and is 5,100 feet long. It is proposed to install eight 18" culverts in washes. Where we cross Oso Canyon install two 36" culverts and place riprap both up and down stream. The access road will be surfaced with a sand/gravel material from an existing pit on private land in the Northeast 1/4 of the Southwest 1/4 of Section 4, T-25-N, R-2-W.

3. LOCATION OF EXISTING WELLS (See attached map "D")

4. LOCATION OF TANK BATTERY, PRODUCTION FACILITIES, AND PRODUCTION GATHERING LINES. (See attached maps "B" and "E")

If the well is productive a production unit consisting of a pumping unit (if needed), three 400 barrel tanks, a separator, and a fiberglass lined emergency overflow pit will be installed on the well pad. The tank facilities will be painted Juniper green and surrounded by a 30 inch containment dike. A gas pipeline will be buried adjacent to the proposed access road to an existing gathering pipeline at E.P.N.G. Well #100 in the Southeast 1/4 of the Southeast 1/4 of Section 6, T-24-N, R-2-W.

5. WATER SUPPLY (See attached map "B")

The water will be trucked in from a private water source. The source is a tank dug in the Southeast 1/4 of the Northwest 1/4 of Section 4, T-24-N, R-2-W.

6. SOURCE OF CONSTRUCTION MATERIAL (See attached map "B")

It is planned to surface the drill pad, access road, and portions of the existing road with sand/gravel obtained from a pit on private land in the Northeast 1/4 of the Southwest 1/4 Section 4, T-24-N, R-2-W.

7. METHODS FOR HANDLING WASTE DISPOSAL

Drill cuttings, circulation materials and completion fluids will be placed in a lined, fenced, and netted reserve pit. A proper cleanup of the site area will be made when the rig moves out. Waste will be burned, buried, and/or hauled from the well site. Buried waste will have a minimum cover of 5 feet.

A burn pit about 5 feet deep with wire mesh fencing will be constructed as shown on map "F". Most waste will be disposed of in this burn pit. Upon cleanup, any refuse in this pit will be buried a minimum of 3 feet.

Human waste will be disposed of in 10 feet deep ratholes under trailers or in chemical toilets. Ratholes will be immediately filled when the trailers are removed.

8. ANCILLARY FACILITIES

No ancillary facilities will be required at this time.

9. WELL SITE LAYOUT (See map "F" and cross-section map "F-1")

Drainage in the area of the well site is a general 5 % downslope to the Southeast into Oso Canyon.

10. PLANS FOR RESTORATION OF THE SURFACE

All excess excavation from construction will be stockpiled adjacent to the drill pad. When all drilling and production activities have been completed the stockpiled material will be utilized for the reshaping of the drill pad.

Upon completion of drilling the reserve pit will be allowed to dry and materials remaining in it buried. The reserve pit will be backfilled, graded, and contoured to prevent any materials from washing into the watershed.

At the land owners request, the reclaimed reserve pits and road right-of-way will be reseeded with a seed mixture of 100 % Crested Wheat Grass and spread at a rate of 8 pounds/acre.

Upon the completion of all producing operations the drill pad and access road will be reshaped to original contour and reseeded using the seed mixture above.

11. SURFACE OWNERSHIP

The existing road, access road, drill pad, and gas pipeline falls on private surface (South 1/2 of Section 5 & 6, T-24-N, R-2-W) owned by Mr. Roy Williams, and Mobil has reached a

written agreement with him. His address is Box 22, Moriarty, New Mexico. His phone number is (505) 832-4944.

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

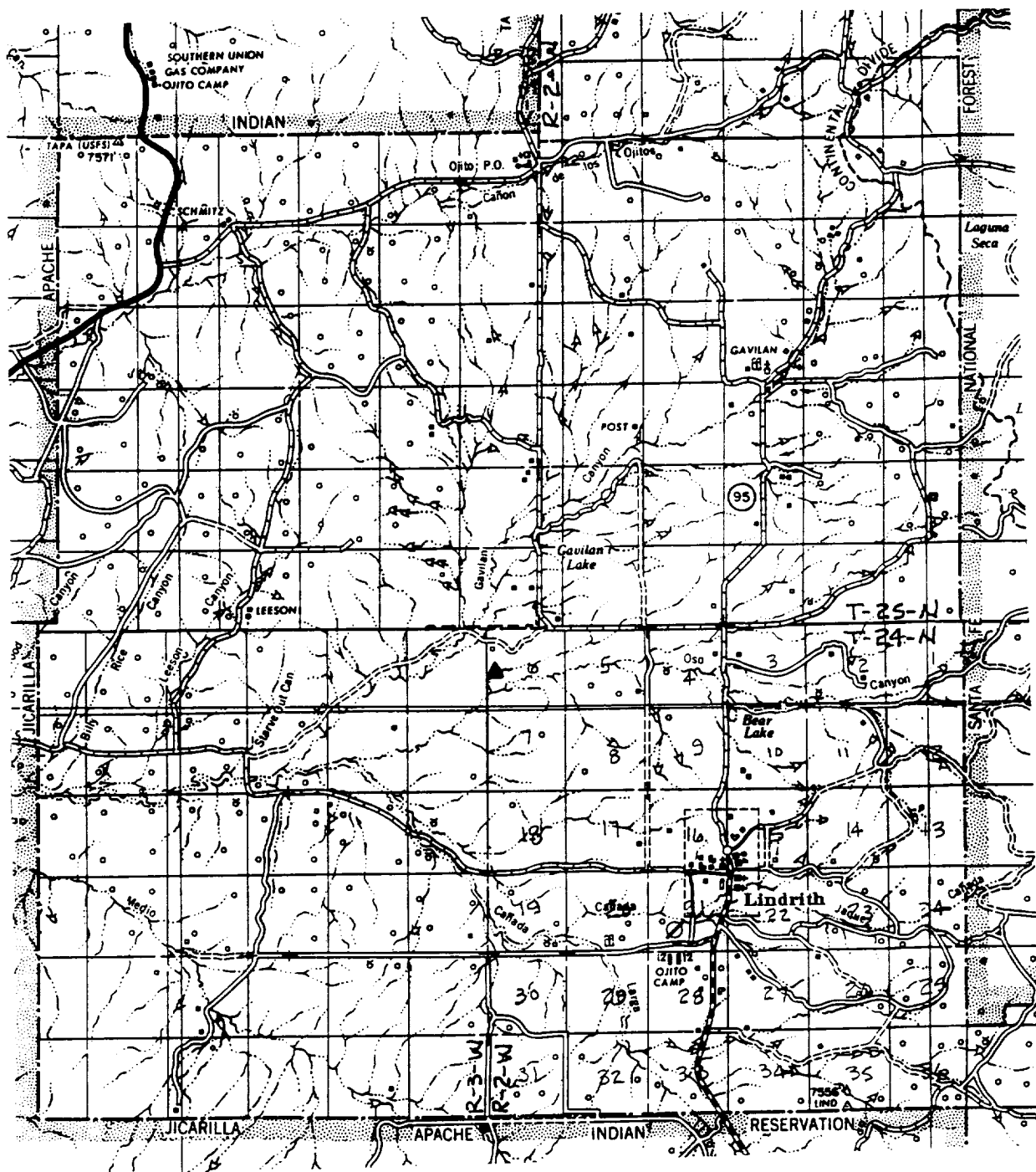
Mr. Ed Barber Mobil's Bloomfield Senior Production Supervisor will be the field representative. His phone number is (505) 832-1891.

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site; that I am familiar with the conditions that presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by a reliable contractor in conformity with this plan and the conditions under which it is approved.

A handwritten signature in cursive script that reads "Ed Barber". The signature is written in dark ink and is positioned above the printed name and title.

Ed Barber
Senior Production Supervisor



▲ = PROPOSED LOCATION

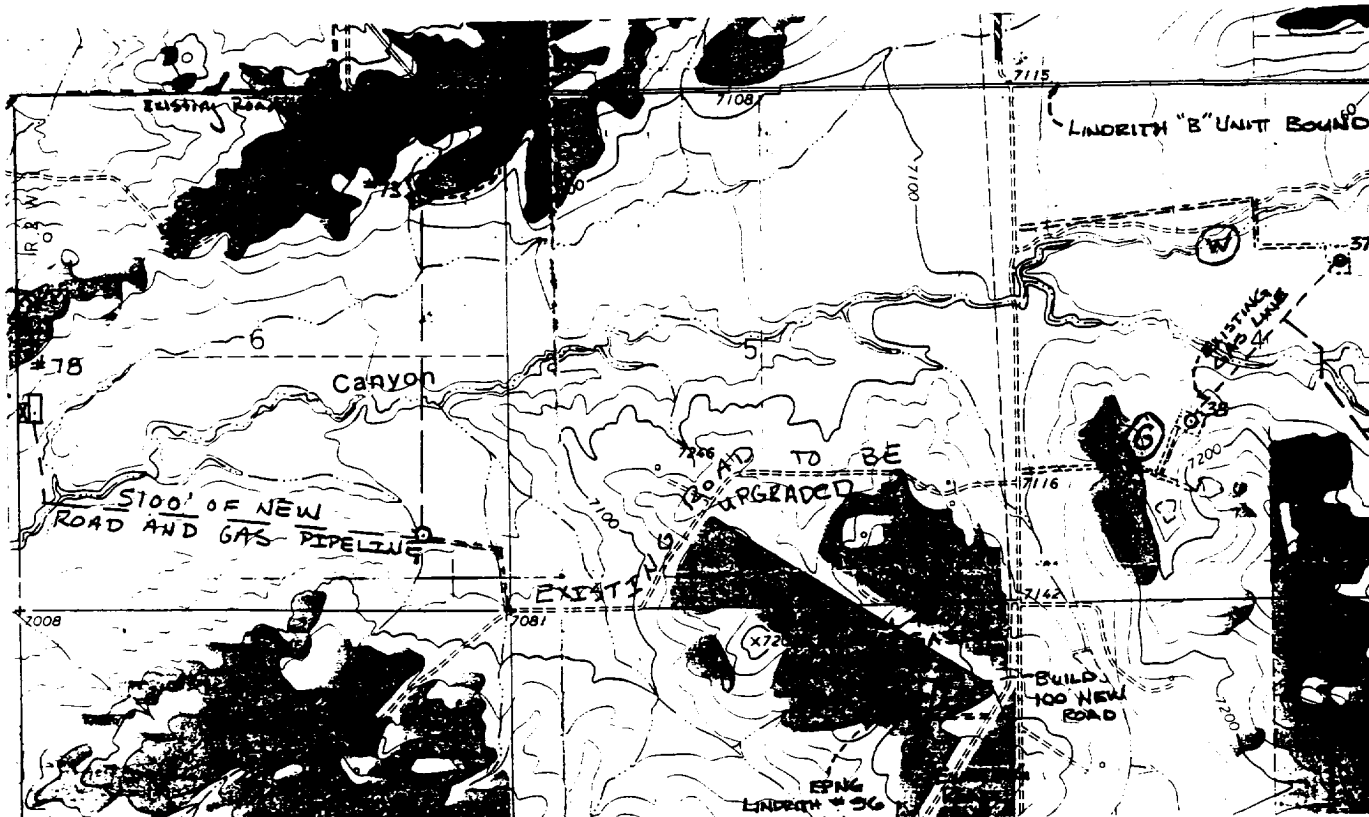
SCALE = 1" = 10,560' = 2 MILES

MOBIL EXPLORATION & PRODUCING U.S. INC.
MIDLAND DIVISION

MAP "A"

LINDRITH "B" UNIT LOCATION #78

RIO ARRIBA COUNTY, NEW MEXICO



PROPOSED LOCATION

SCALE = 1" = 2,000'

MOBIL EXPLORATION & PRODUCING U.S. INC.
MIDLAND DIVISION

MAP "B"

LINDRITH "B" UNIT LOCATION #78

RIO ARriba COUNTY, NEW MEXICO

LOC. #78



Install 2
36" culverts

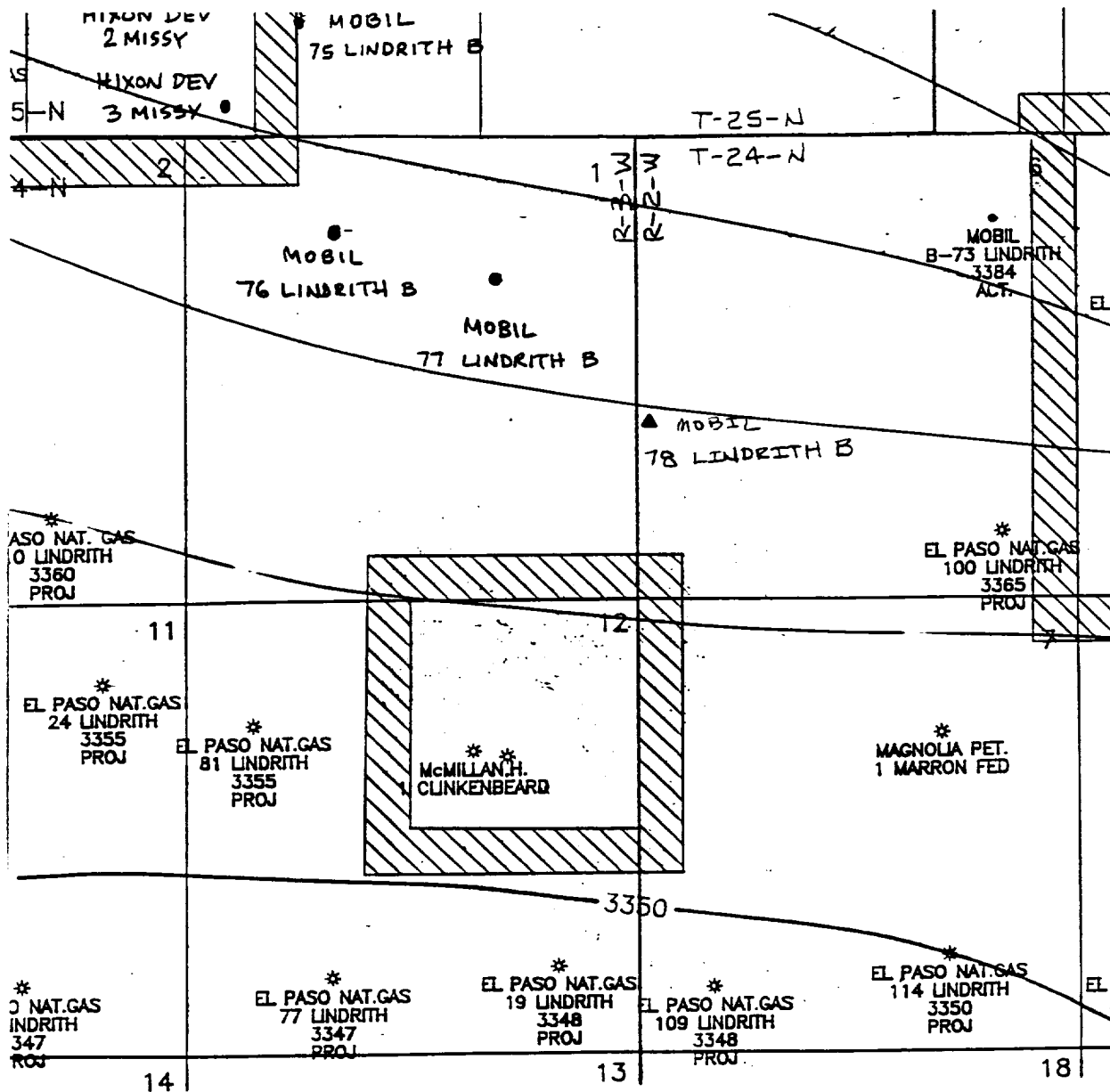
SCALE = 1" = 2,000'

MOBIL EXPLORATION & PRODUCING U.S. INC.
MIDLAND DIVISION

MAP "C"

LINDRITH "B" UNIT LOCATION #78

RIO ARriba COUNTY, NEW MEXICO



▲ - PROPOSED LOCATION

SCALE = 1" = 2,000'

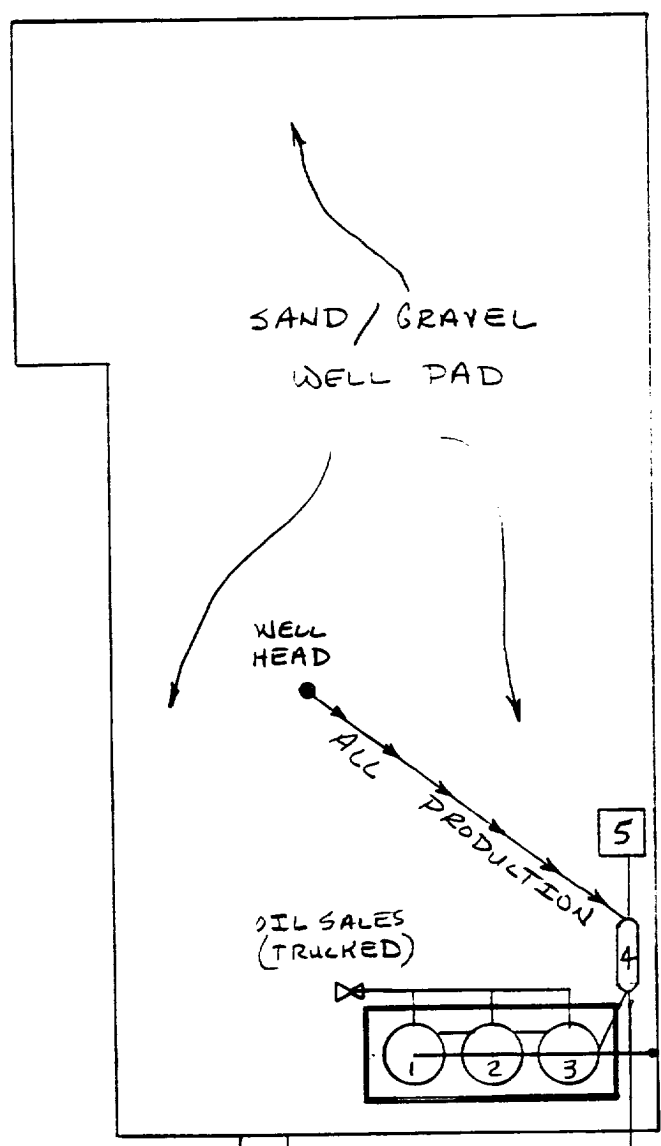
MOBIL EXPLORATION & PRODUCING U.S. INC.
MIDLAND DIVISION

MAP "D"

LINDRITH "B" UNIT LOCATION #78

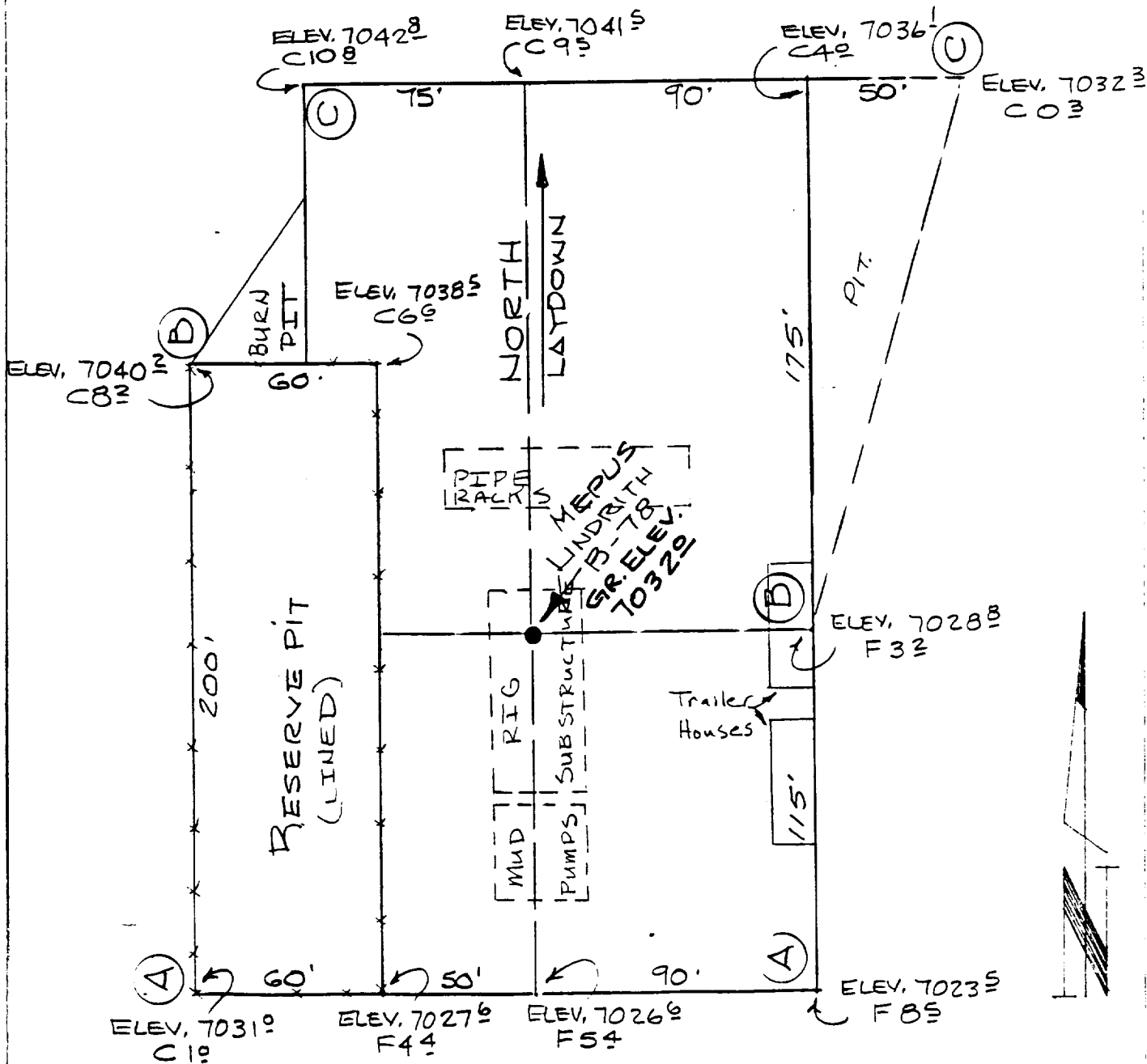
RIO ARRIBA COUNTY, NEW MEXICO

1. 400 BBL. Stock Tank
2. 400 BBL. Stock Tank
3. 400 BBL. Stock Tank
4. Separator
5. Emergency Pit



SCALE = 1" = 50'

MOBIL EXPLORATION & PRODUCING U.S. INC. MIDLAND DIVISION
MAP "E"
LINDRITH "B" UNIT LOCATION #78
RIO ARriba COUNTY, NEW MEXICO



SCALE = 1" = 50'

MOBIL EXPLORATION & PRODUCING U.S. INC.
MIDLAND DIVISION

MAP "F"

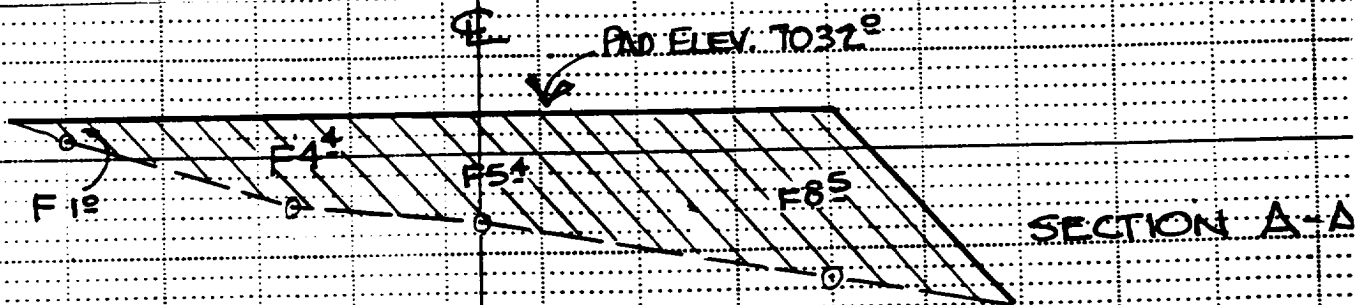
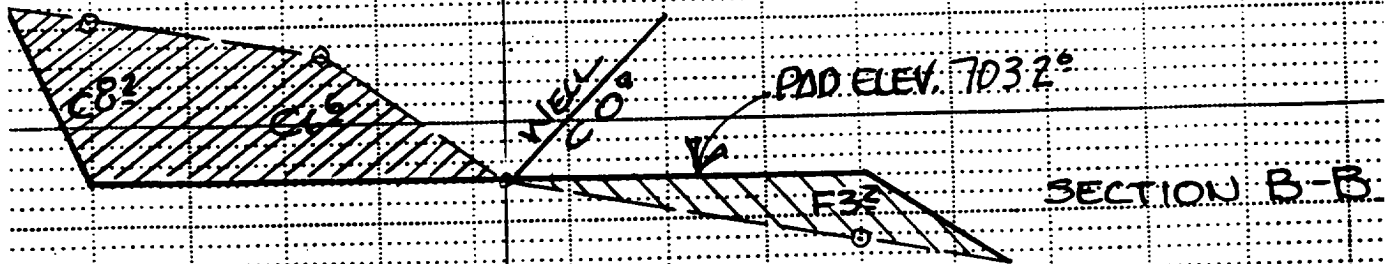
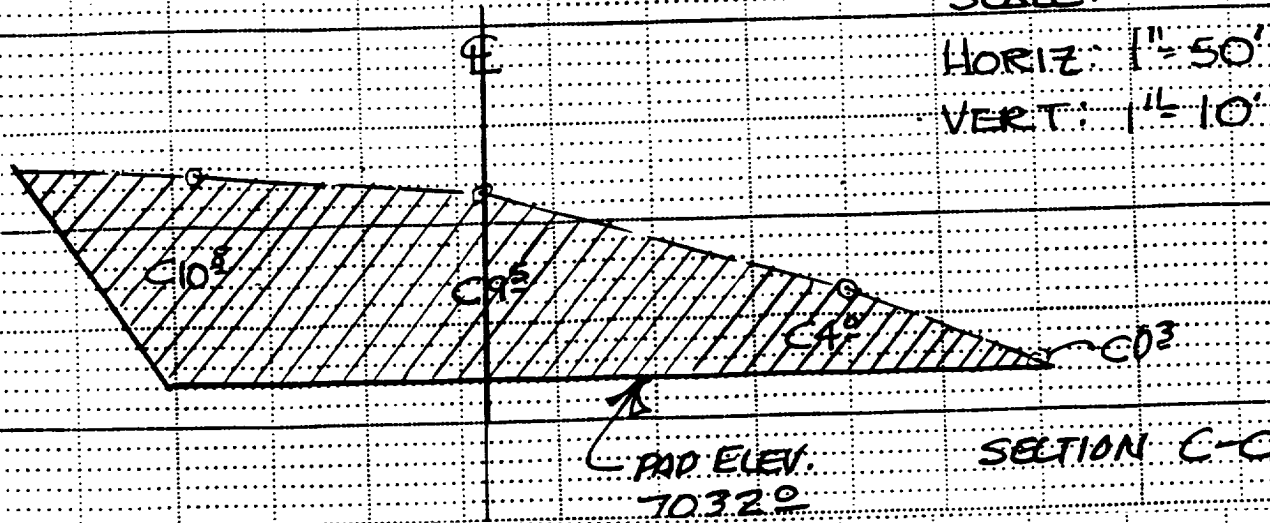
LINDRITH "B" UNIT LOCATION #78

RIO ARriba COUNTY, NEW MEXICO

SCALE:

HORIZ: 1" = 50'

VERT: 1" = 10'



MOBIL EXPLORATION & PRODUCING U.S. INC.
MIDLAND DIVISION

MAP "F-1"

LINDRITH "B" UNIT LOCATION #78

RIO ARRIBA COUNTY, NEW MEXICO

REHABILITATION PLAN

Lease No.: _____; Well Name and No.: LINDRITH "B" UNIT WELL 78
Location: 2030' FSL & 143' FWL, Sec. 6, T. 24 N., R. 2 W.

MOBIL PRODUCING TEXAS & NEW MEXICO INC. intends to drill a well on surface
owned by ROY WILLIAMS. The lessee/operator
agrees to complete the following rehabilitation work if the well is a producer:

☒ Yes ☐ No Maintain access road and provide adequate drainage to road.

☒ Yes ☐ No Reshape and reseed any area not needed for maintenance of the
pump and support facilities.

Other requirements: _____

The following work will be completed when the well is abandoned:

☒ Yes ☐ No Pit will be fenced until dry, then filled to conform to
surrounding topography.

☒ Yes ☐ No Water bars will be constructed as deemed necessary.

☒ Yes ☐ No Site will require reshaping to conform to surrounding topography.

☒ Yes ☐ No Entire disturbed area will be reseeded. If yes, the following
seed mixture will be used.

CRESTED WHEAT GRASS - 8 LBS PER ACRE

☒ Yes ☐ No Access road will be closed, rehabilitated and reseeded using
the same seed mixture as above.

☐ Yes ☒ No Access road will remain for surface owner's use.

☒ Yes ☐ No Water bars will be constructed on the access road as deemed
necessary.

Other requirements: LESSEE WILL GUARANTEE REVEGETATION

Surface Owner:

Name: ROY WILLIAMS
Address: BOX 22
City: MORIARTY
State: NEW MEXICO 87035
Telephone: (505) 832-4944
Date: 1-10-91

Operator/Lessee:

Name: MOBIL PRODUCING TEXAS & NEW MEXICO INC.
Address: P. O. BOX 633
City: MIDLAND
State: TEXAS 79702
Telephone: (915) 686-1447
Date: _____

I CERTIFY that above rehabilitation plan is acceptable to me. I also waive an intensive
Cultural Resource Field Inventory.

* Roy Williams
(Surface owner's signature)

This plan does not affect any other agreements between the lessee/operator and
surface owner.

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form 5-198
Supersedes C-128
Effective 1-4-88

All distances must be from the outer boundaries of the Section.

Operator MOBIL EXPLORATION & PRODUCING, UNITED STATES			Lease LINDRITH		Well No. B-78
Unit Letter L	Section 6	Township 24 NORTH	Range 2 WEST	County RIO ARriba	

Actual Footage Location of Well:

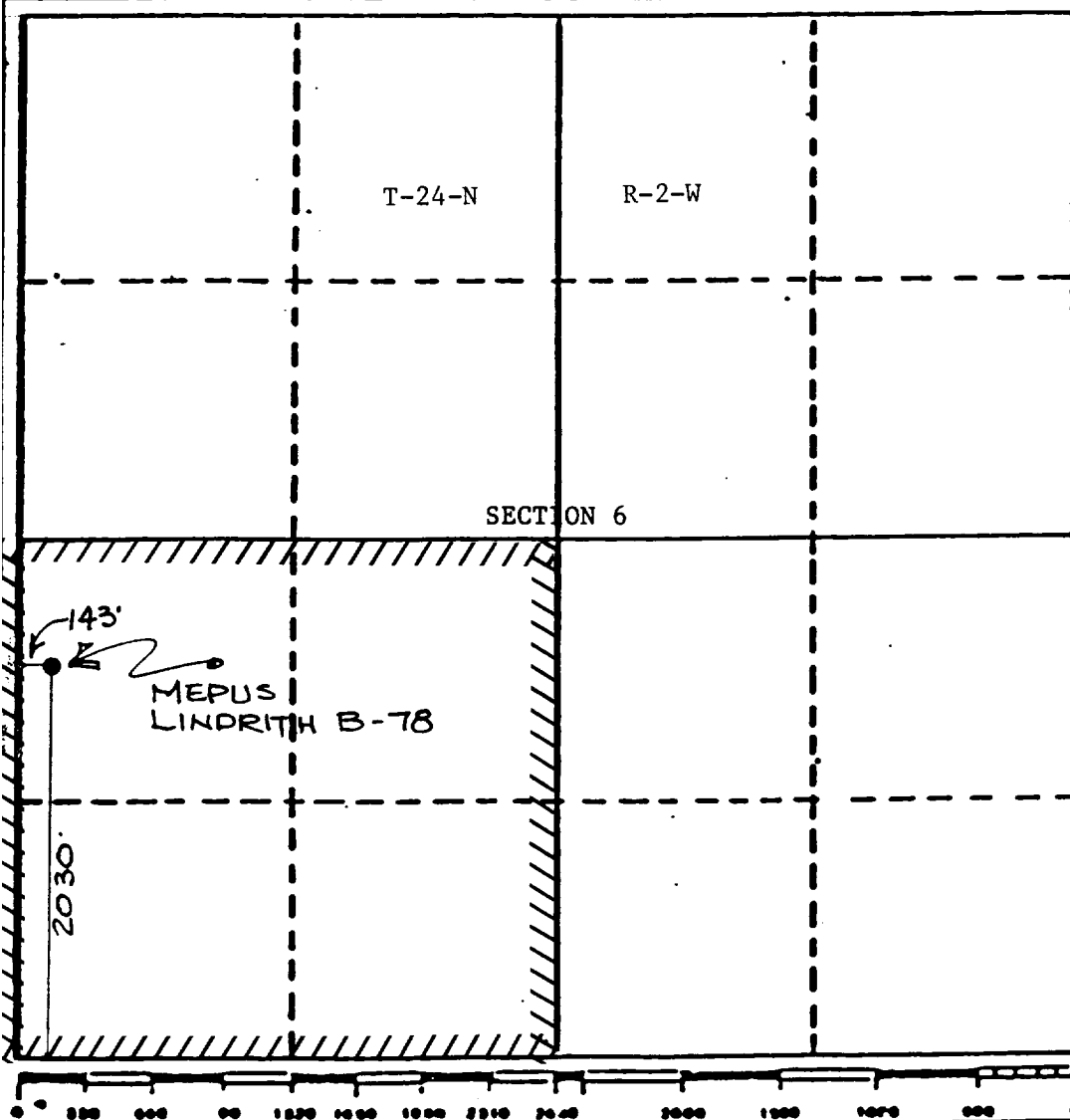
2030	feet from the	SOUTH	line and	143	feet from the	WEST	Line	
Ground Level Elev. 7032.0	Producing Formation DAKOTA		Pool UNDESIGNATED		Dedicated Acreage 160			Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

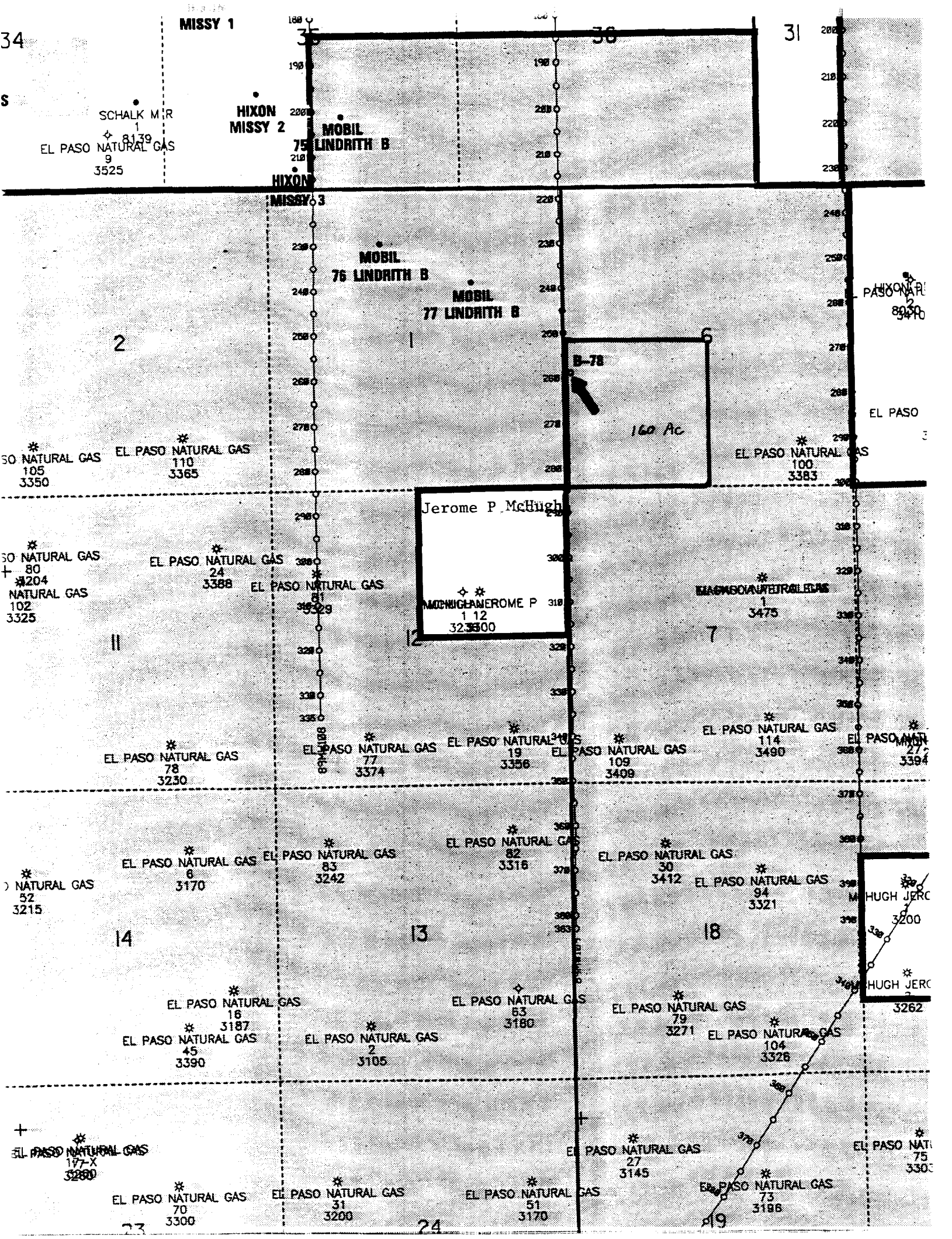
☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
<i>C. A. Moore</i>	
Name C. A. MOORE	
Position ENV. & REG. TECHNICIAN II	
Company MOBIL PRODUCING TX. & N.M. INC C/O MOBIL EXPL. & PROD. US INC	
Date 02-01-91	
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 knowledge and belief.	
Date Signed DECEMBER 13, 1990	
Registered Professional Engineer in the State of New Mexico JAMES P. LEESE 1463	



MOBIL EXPLORATION & PRODUCING U.S. INC.
UNORTHODOX WELL LOCATIONS
LINDRITH B UNIT
WELL NO. 78
RIO ARRIBA COUNTY, NEW MEXICO

OFFSET OPERATOR

Jerome P. McHugh & Associates
650 South Cherry Street, Suite 1225
Denver, Colorado 80222

Mobil Exploration & Producing U.S. Inc.

February 1, 1991

P.O. BOX 633
MIDLAND, TEXAS 79702

MIDLAND DIVISION

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Jerome P. McHugh & Associates
650 South Cherry Street, Suite 1225
Denver, Colorado 80222

NOTICE OF APPLICATION FOR
UNORTHODOX WELL LOCATION
LINDRITH B UNIT
WELL NO. 78
UNDESIGNATED DAKOTA FIELD
RIO ARriba COUNTY, NEW MEXICO

Gentlemen:

Mobil Exploration & Producing U.S. Inc. (MEPUS), as Agent for Mobil Producing Texas & New Mexico Inc., is requesting authority to drill Lindrith B Unit #78 on an unorthodox location, under the provisions of Rule 104 (F). Attached to this letter is a copy of the application to drill and corresponding plats, showing the exact location of the subject well.

If you have no objection to this application, please sign the attached three copies of the waiver and mail to MEPUS. An addressed, stamped envelope is enclosed for your convenience.

Please call C. A. Moore at (915) 688-1772 if any further information is needed.

Yours very truly,

C. A. Moore

for

D. P. Klancher
Environmental & Regulatory/
LP Supervisor

Mobil Exploration & Producing U.S. Inc.
as Agent for
Mobil Producing Texas & New Mexico Inc.

CAMoore

attachments

cc: Oil Conservation Division - Aztec

A:M103228.CAM

W A I V E R

Mobil Exploration & Producing U.S. Inc.
P.O. Box 633
Midland, Texas 79702

Attn: C. A. Moore

**UNORTHODOX WELL LOCATIONS
LINDRITH B UNIT
WELL NO. 78
UNDESIGNATED DAKOTA FIELD
RIO ARriba COUNTY, NEW MEXICO**

Gentlemen:

We, the undersigned, have been furnished a copy of Mobil Exploration & Producing U.S. Inc., as Agent for Mobil Producing Texas & New Mexico Inc.'s application to drill the subject well on an unorthodox location under the provisions of Rule 104 (F). Please be informed that we, as an offset operator, have no objection to the drilling of this well as set forth in MEPUS's application dated February 1, 1991.

Yours truly,

Company: _____
Representative: _____
Signature: _____
Title: _____
Date: _____