NS. L - 724 104 F

EXON COMPANY, U.S.A.

MIDCONTINENT PRODUCTION DIVISION SOUTHWESTERN EXPLORATION DIVISION

W. R. WARDROUP DIVISION DRILLING MANAGER

OIL CONSERVATION COMM. August 28 Santa Fo

Request for Exception to N.M.O.C.C. Rule 10\$\text{BI}(a) to Drill Laguna Grande Unit (Federal), Well No. 1 Eddy County, New Mexico

Mr. Jim Knauff United States Geological Survey 210 Carper Building Artesia, NM 88210

Mr. J. D. Ramey, Secretary-Director New Mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87501

Mr. W. A. Gressett Drawer DD Artesia, NM 88210

Gentlemen:

1380' FS6 8 990' PEL 28-235-29E

Attached are eight copies of Form 9-331-C, Application to Drill, with attachments for Laguna Grande Unit (Federal), Well No. 1, a wildcat to be drilled in Eddy County, New Mexico.

Rule 103BI(a) of the New Mexico Oil Conservation Commission Rules requires that a wildcat gas well which is projected to a formation of Pennsylvanian age or older be drilled not closer than 1,980' to the nearest end boundary and no closer than 330' to any quarter-quarter section line. This well is located 1,380' to the nearest end boundary and 60' to the nearest quarter-quarter section line and requires an exception to Rule 109BI(a). This exception is necessary due to Federal regulations governing the drilling of wells near the Potash area. Also attached is a plat showing the offset leases to the proration unit. Offsetting the proration unit for this well is a Federal lease which is open and Amoco. Amoco's lease is a part of the Laguna Grande Unit which is in the process of being executed.

By copy of this letter, we are notifying Amoco of our application to drill this irregular location. If the offset operator has no objection to this location, we are requesting that they execute the attached waiver and forward a copy to the U.S.G.S., Artesia, New Mexico, and New Mexico Oil Conservation Commission, Artesia, New Mexico, and return one copy to this office.

We respectfully request that administrative approval be given to drill this irregular location.

Very truly yours,

W. R. Wardroup

MK/sf A DIVISION OF EXXON CORPORATION

Attachments

SUBMIT IN TRIPLICATES

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES DEPARTMENT OF THE INTERIOR

5. LEASE DESIGNATION AND SERIAL NO. **GEOLOGICAL SURVEY** NM 23177 6. IF INDIAN, ALLOTTEE OR TRIBE NAME APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 1a. TYPE OF WORK 7. UNIT AGREEMENT NAME DEEPEN [PLUG BACK DRILL X Laguna Grande Unit (Pending b. TYPE OF WELL SINGLE MULTIPLE WELL S. FARM OR LEASE NAME. \mathbf{x} X. OTHER Laguna Grande Unit (Federal 2. NAME OF OPERATOR 9. WELL NO. Exxon Corporation 3. ADDRESS OF OPERATOR 1 10. FIRLD AND POOL, OR WILDCAT Box 1600, Midland, TX 79701 ත් සී 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) Wildcat SEC., T., R., M., OR BLK. AND SURVEY OR AREA 1,380' FSL & 990' FEL At proposed prod. zone Sec. 28, T-23-S,R-29-E Same 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE® 12. COUNTY OB PARISH | 13. STATE 6 miles east of Loving, New Mexico Eddy New Mex. 15. DISTANCE FROM PROPUSED* 16. NO. OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED PROPERTY OR LEASE LINE, FT.
(Also to pearest drig. unit line, if any) TO THIS WELL 7.680 (Tot. Drlg. Ut.) 320 19. PROPOSED DEPTH 18. DISTANCE FROM PROPOSED LOCATIONS 20. ROTARY OR CABLE TOOLS TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 14,000' Rotary 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 22. APPROX. DATE WORK WILL START* October 15, 1975 Later 23. PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT .. 17 1/2 13 3/8 700' *600 sx 54.5 12 1/4 10 3/4 40.5 - 51.0 3,100' *700 sx 9 1/2 7 5/8 29.7 - 33.7 10,900' 600 sx 6 1/2 5 18.0 14,000' 500 183402 *Cement to surface HOWCO method of cementing to be used QIL CONSERVATION COMM. See "Development Plan for Surface Use", "Plan for Equipment", "Blowout Braventer Equipment" and "Rig Layout" attached. 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. 8-28-75 Proration Specialist DATE (This space for Federal or State office use) 演员 PERMIT NO. _ APPROVAL DATE APPROVED BY TITLE DATE CONDITIONS OF APPROVAL, IF ANY:

2.

Expon Lse,No.	NEW MEXICO OIL CONSERVATION COMMISSION
State Lse. No.	WELL LOCATION AND ACREAGE DEDICATION PLAT
Federal Lse. No. NM-23177	All distances must be from the outer boundaries of the Section.
Operator Exxon Corporation	Lease Laguna Grande Unit (Federa

Form C-102 Supersedes C-128 Effective 14-65

Te Lee. Ho.	- " =			•	FIRECIIAS 14-62
eral Lse. NM-23177	All distances must be fa	om the outer boundaries	of the Section.		
perator Exxon Corporation		Leose Laguna Grande	Unit (Fed	eral)	Well No.
Init Letter Section	Township	Range	County		<u> </u>
I 28	23 South	29 East	Eddy		·
ctual Footage Location of Well:		•	ಲಿಕೆ 	70	
round Level Elev: Producing For		990 Pool	feet from the	East Dedic	line ated Acreage:
Pennsylva	anian W. C.	Wildcat			320 Acres
1. Outline the acreage dedica	ited to the subject we	ell by colored penci	il or hachure n	arks on the pla	t below.
2. If more than one lease is interest and royalty).	dedicated to the well	, outline each and	identify the ov	vnership thereof	(both as to working
3. If more than one lease of dated by communitization, to	unitization, force-pooli	ng. etc?		SEP - 21	
If answer is "no," list the this form if necessary.) No allowable will be assign forced-pooling, or otherwise sion.	ed to the well until all	interests have bee	n consolidate	d (by communit	ization, unitization,
	Reseases				······································
D I	C	j	1	CER	TIFICATION
İ		!		I hereby certify	that the information con-
1	5	, 1			true and complete to the
		i	3	best of my know	ledge and belief.
1		ŀ	3		
				Nome	1): A · -
Ε	F =	G	REGLET	Melba Position	Knipling
1					on Specialist
l		į	3	Company Exxor	Corporation
<u> </u>	Mil 65 Mil mil		3	Box 1600 Mid1	and, Texas
i				Date	20 1075
	111 22 412	!		August	20, 1975
LI	K	J	3		
ļ.	96 22 48 34	i	3 (I hereby certify	that the well location
l		1			at was plotted from field
		1			surveys made by me or
İ		1			ision, and that the same. rect to the best of my
ì	401 402 402 403 403 403 403 403 403 403 403 403 403		990'	knowledge and b	*
	NE				
)		1			
. 	Transis Sonat Sonat Sonat	ò		Date Surveyed	12 1075
) 		138		August Registered Profess	13, 1975
i	100 101 102 100 100			and/or Land Surve	
·	22			W. S. 7	hesterfula
Secured processor of				Certificate No.	
330 660 190 1320 1650 198	0 2310 2640 2000	15/0 1000	800 O	1382	

6 Hiles East of Loving

A-6870 C.E. Sec. File No._

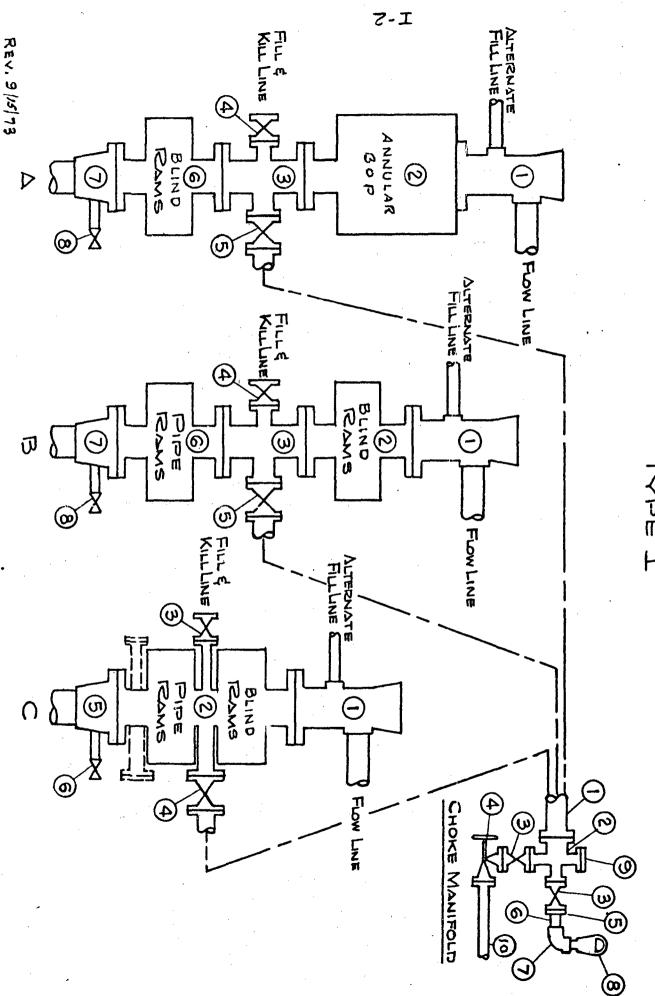
PLAN FOR EQUIPMENT

Laguna Grande Unit (Federal) Well No. 1

- 1. Surface casing: 700' of new 13 3/8" 54.5 ppf J-55 STC
- 2. Casinghead: 13 3/8" STC X 12" 3000 psi flange
- 3. Intermediate casing:
 - a. 3100' of new 10 3/4" 40.5, 45.5 and 51.0 ppf J-55 STC
 - b. 10,900' of new 7 5/8" 29.7 and 33.7 ppf S-95 and RS-95 LTC
- 4. Blowout Preventers:
 - a. On surface casing: 2000 psi bag type or 2 ram type (one set each of pipe and blind rams). 2000 psi fill and kill connections and choke manifold.
 - b. On first intermediate casing: 2-10" 3000 psi: ram type, (one set each of pipe and blind rams). 10" 3000 psi bag type and a rotating head. 3000 psi fill and kill connections and choke manifold.
 - c. On second intermediate: 3-10" 5000 psi ram type, (2 sets of pipe rams, 1 set of blind rams). 10" 5000 psi bag type and a rotating head. 5000 psi fill and kill connections and choke manifold.
- 5. Auxiliary Equipment
 - a. Upper and lower kelly cocks
 - b. Profile in drill string just above drill collars to accept back pressure valve if valve is needed.
 - c. Safety valve on floor ready to use if needed.
 - d. Pit volume totalizer with alarm system.
 - e. Flow rate indicator in flowline with alarm system
 - f. Trip tank
- 6. Approximate Bottomhole pressure at 14000': 8300 psi (11.5 ppg)
- 7. Drilling Fluid:

0-700' Spud Mud 700-3300' Brine Water 3300-10900' Brine Water 10900-TD Fresh Water Mud

T add



BLOWOUT PREVENTER SPECIFICATION EQUIPMENT DESCRIPTION

TYPE I

BOP stack "A", "B" or "C" acceptable. All equipment should be at least API 2000 psi W.P. or higher unless otherwise specified.

BOP STACK "A"

- 1. Bell Nipple with flow line and fill connection.
- 2. Hydril or Shaffer bag type preventer.
- 3. Flanged spool with one 4-inch and one 2-inch (minimum) outlet.
- 4. 2-inch (minimum) flanged plug or gate valve.
- 5. 4-inch flanged pressure operated gate valve or manual operated plug or gate valve.
- 6. Ram type pressure operated blowout preventer with blind rams.
- Screw type casing head (furnished by Exxon) with flange adapter (furnished by contractor).
- 8. Plug or gate valve (furnished by Exxon).

BOP STACK "B"

- 1. Bell nipple with flow line and fill connection.
- 2. Ram type pressure operated blowout preventer with blind rams.
- 3. Flanged spool with one 4-inch and one 2-inch (minimum) outlet.
- 4. 2-inch (minimum) flanged plug or gate valve.
- 5. 4-inch flanged pressure operated gate valve or manual operated plug or gate valve.
- 6. Ram type pressure operated blowout preventer with pipe rams.
- 7. Screw type casing head (furnished by Exxon) with flange adapter (furnished by contractor).
- 8. Plug or gate valve (furnished by Exxon).

BOP STACK "C"

- 1. Bell nipple with flow line and fill connection.
- 2. Double pressure operated ram type preventer with blind rams in the top and pipe rams in the bottom with one 4-inch and one 2-inch (minimum) side outlets.
- 3. 2-inch (minimum) flanged plug or gate valve.
- 4. 4-inch flanged pressure operated gate valve or manual operated plug or gate valve.
- 5. Screw type casing head (furnished by Exxon) with flange adapter (furnished by contractor).
- 6. Plug or gate valve (furnished by Exxon).

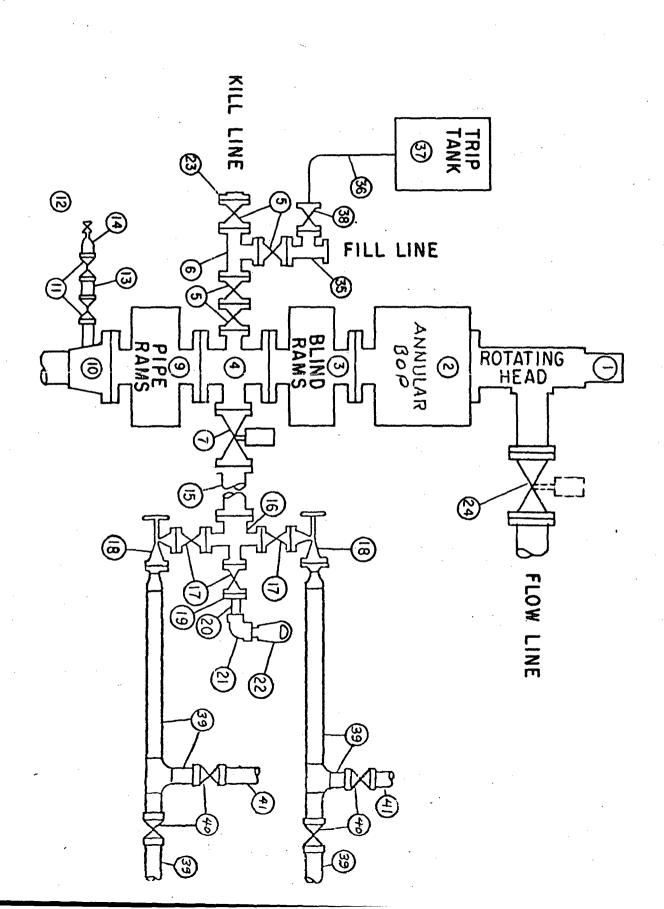
CHOKE MANIFOLD

- 1. 4-inch flanged spacer spool.
- 2. 4-inch X 2-inch X 2-inch X 2-inch flanged cross.
- 3. 2-inch flanged plug or gate valve.
- 4. 2-inch flanged adjustable choke.
- 5. 2-inch threaded flange.
- 6. 2-inch X H nipple.
- 7. 2-inch forged steel Ell.
- 8. Cameron (or equal,) threaded pressure gage.
- 9. Blind flange.
- 10. 2-1/2-inch pipe, 300' to pit, anchored.

NOTES:

- 1. Replacement pipe rams and blind rams shall be on location at all times.
- 2. Only type U, QRC, E and LWS ram type preventers acceptable.

BLOWOUT PREVENTER SPECIFICATION TYPE II -B MIDLAND DRILLING ORGANIZATION



BLOWOUT PREVENTER SPECIFICATION EQUIPMENT DESCRIPTION

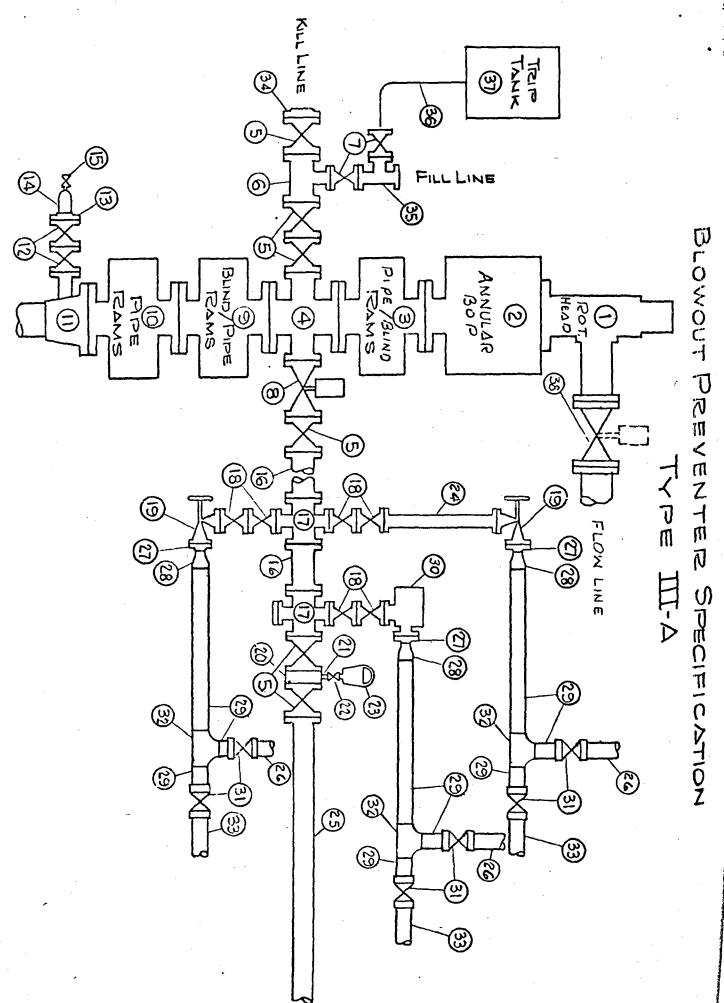
TYPE II-B

All equipment should be at least 3000 psi WP or higher unless otherwise specified.

- 1. Rotating BOP.
- 2. Hydril or Shaffer bag type preventer.
- 3. Ram type pressure operated blowout preventer with blind rams.
- 4. Flanged spool with one 4-inch and one 2-inch (minimum) outlet.
- 5. 2-inch (minimum) flanged plug or gate valve.
- 6. 2-inch by 2-inch by 2-inch (minimum) flanged tee.
- 7. 4-inch pressure operated gate valve.
- 8. 4-inch flanged gate or plug valve.
- 9. Ram type pressure operated blowout preventer with pipe rams.
- 10. Flanged type casing head with one side outlet (furnished by Exxon).
- 11. 2-inch threaded (or flanged) plug or gate valve (furnished by Exxon). Flanged on 5000# WP, threaded on 3000# WP or less.
- 12. Needle valve (furnished by Exxon).
- 13. 2-inch nipple (furnished by Exxon).
- 14. Tapped bull plug (furnished by Exxon).
- 15. 4-inch flanged spacer spool.
- 16. 4-inch by 2-inch by 2-inch by 2-inch flanged cross.
- 17. 2-inch flanged plug or gate valve.
- 18. 2-inch flanged adjustable choke.
- 19. 2-inch threaded flange.
- 20. 2-inch XXH nipple.
- 21. 2-inch forged steel 90° E11.
- 22. Cameron (or equal.) threaded pressure gage.
- 23. Threaded flange.
- 24. 6-inch manual or pressure operated gate valve.
- 35. 2-inch flanged tee.
- 36. 3-inch (minimum) hose. (Furnished by Exxon).
- 37. Trip tank. (Furnished by Exxon).
- 38. 2-inch flanged plug or gate valve.
- 39. 2-1/2-inch pipe, 300' to pit, anchored.
- 40. 2-1/2-inch SE valve.
- 41. 2-1/2-inch line to steel pit or separator.

NOTES:

- 1. Items 3, 4 and 9 may be replaced with double ram type preventer with side outlets between the rams.
- 2. The two valves next to the stack on the fill and kill line to be closed unless drill sting is being pulled.
- 3. Kill line is for emergency use only. This connection shall not be used for filling.
- 4. Replacement pipe rams and blind rams shall be on location at all times.
- 5. Only type U, LWS and QRC ram type preventers with secondary seals are acceptable for 5000 psi WP and higher BOP stacks.
- Type E ram-type BOP's with factory modified side outlets may be used on 3000 psi and lower WP BOP stacks.



21-I

BLOWOUT PREVENTER SPECIFICATION EQUIPMENT DESCRIPTION

TYPE III-A

All equipment shall be at least 5,000 psi WP or higher unless otherwise specified.

- 1. Rotating type BOP, 3,000 psi minimum WP.
- 2. Hydril or Shaffer bag type preventer.
- 3. Ram type pressure operated preventer with pipe rams. Use large size pipe rams when drilling with a tapered string. Use blind rams when drilling with a tapered string and formation is overbalanced.
- 4. Flanged spool with two 4-inch side outlets.
- 5. 4-inch flanged plug or gate valve.
- 6. 4-inch flanged tee.
- 7. 4-inch flanged plug or gate valve.
- 8. 4-inch flanged pressure operated gate valve.
- 9. Ram type pressure operated preventer with blind rams. Use small size pipe rams when drilling with a tapered drill string.
- 10. Ram type pressure operated preventer with pipe rams. Use large size pipe rams when drilling with tapered string.
- 11. Flanged type casing head (furnished by Exxon).
- 12. 2-inch flanged plug or gate valves (furnished by Exxon).
- 13. 2-inch threaded flange (furnished by Exxon).
- 14. 2-inch tapped bull plug (furnished by Exxon).
- 15. Needle valve (furnished by Exxon).
- 16. 4-inch flanged spacer spool.
- 17. 4-inch by 2-inch flanged cross.
- 18. 2-inch flanged plug or gate valve.
- 19. 2-inch flanged adjustable choke. Replace with flanged 2-inch tee if a remote controlled choke is installed downstream.
- 20. 4-inch x 4-inch spacer flange w/l-inch tap.
- 21. 1-inch x 4-inch XXH nipple.
- 22. 1-inch valve.
- 23. Cameron (or equal.) 0-6000 psi gage.
- 24. 2-inch flanged spacer spool.
- 25. 6-inch or 4-inch pipe, 300' to pit, anchored.
- 26. 2-1/2-inch line to separator.
- 27. 2-inch weld neck flange.
- 28. 2-1/2-inch x 2-inch sch. 80 concentric weld reducer.
- 29. 2-1/2-inch pipe.
- 30. Pressure operated adjustable choke (furnished by Exxon).
- 31. 2-1/2-inch S.E. gate valve.
- 32. 2-1/2-inch tee.
- 33. 2-1/2-inch pipe, 300' to pit, anchored.
- 34. 2-inch threaded flange (EUE) or weld neck flange w/Weco Fig. 1502 2" 15,000 psi free

flow buttress weld wing union.

- 35. 4-inch flanged tee.
- 36. 3-inch (minimum) hose. (Furnished by Exxon).
- 37. Trip tank. (Furnished by Exxon).
- 38. 6-inch 3,000 psi minimum WP manual or pressure operated gate valve.

NOTES:

- 1. Items 9 and 10 may be replaced with double ram type preventer. Any side outlets shall be double valved or blind flanged.
- 2. Only type U, LWS and QRC ram type preventers with secondary seals are acceptable.
- 3. The two valves next to the stack on the kill and fill line to be closed unless string is being pulled.
- 4. Kill line is for emergency use only. This connection shall not be used for filling.
- 5. Replacement rams for each size drill pipe in use and blind rams shall be on location at all times.

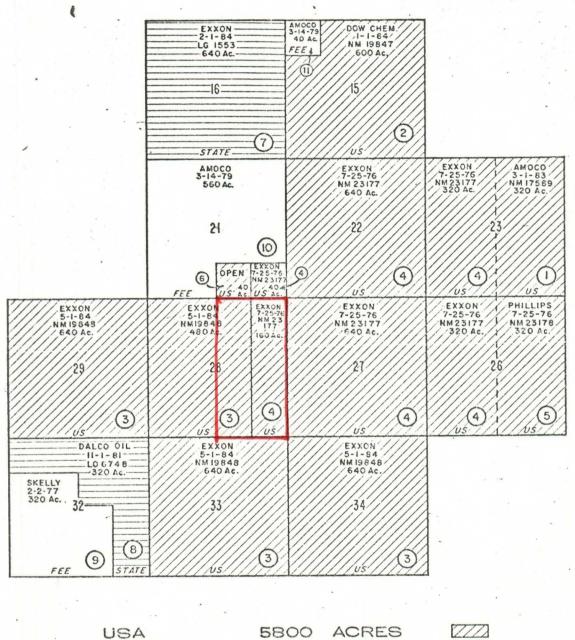
DEVELOPMENT PLAN FOR SURFACE USE ON LAGUNA GRANDE UNIT (FEDERAL) WELL NO. 1

Attached is a segment of a map in Eddy County, New Mexico showing the location of the proposed Wildcat well. Also attached are the following listed items as requested by the U.S.G.S.

- 1. Existing roads. (See area map)
- 2. Planned access to the location. (See area map approx. 3,500' of 12' wide caliche road.)
- 3. Offsetting Pool wells. (None)
- 4. Lateral roads to other wells. (None)
- 5. Location of tank battery and flow line will be furnished at a later date.
- 6. Water will be hauled from off the lease to furnish water for drilling.
- 7. The drilling contractor will be required to comply with OSHA requirements. There will be a separate burn pit for trash and junk disposal.
- 8. No camps are involved.
- 9. No airstrips are involved.
- 10. A sketch of the location layout is attached showing the position of the rig, pipe rack and reserve pit, as well as the size of the location.
- 11. The location will be restored to the satisfaction of the Bureau of Land Management.
- 12. This area consists of poor pasture land, gravel hills and greasewood. The drilling of this well will not adversely affect the environment.

LAGUNA GRANDE UNIT AREA EDDY COUNTY, NEW MEXICO T23 S - R29E

EXHIBIT A



TRACT (8)

Federal Lease Numbers

WAIVER

United States Geological Survey 210 Carper Building Artesia, New Mexico 88210

New Mexico Oil Conservation Commission Drawer DD Artesia, New Mexico 88210

Gentlemen:

This is to advise that the undersigned has been given due notice that Exxon Corporation has made application for a Rule 103BI(a) exception for Laguna Grande Unit (Federal), Well No. 1, Eddy County, New Mexico. We hereby waive any objection to the granting of this application for the above well which will be located:

Laguna Grande Unit (Federal), Well No. 1, to be located 1,380' FSL and 990' FEL of Section 28, T23S, R29E, Eddy County, New Mexico.

Company	
By	

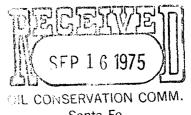


PLEASE FURNIS	H SERVICE(S) INDICATED B	Y CHECKED BLOCK(S)
Show add where del	iress a communication	Deliver ONLY to addressee
Recei	VCG 4 C at imberration NAME OF AD	ribed below DRESSEE (Must always be filled in
L 1364/ INSURED NO.		ESSEE'S TROUNT, UF ANY
SEP - 2 1975	SHOW WHERE DELIVERED (ONLY)	if requested, and include ZIP Code)

ON COMPANY, U.S.A.

POST OFFICE BOX 1600 · MIDLAND, TEXAS 79701





Santa Fe

September 12, 1975

Exception to N.M.O.C.C. Rule 103 B I (a) to Drill Laguna Grande Unit (Federal), Well No. 1, Eddy County, New Mexico

RECEIVED

SEP 1 5 1975

ARTESIA. OFFICE

Knipling

Mr. W. A. Gressett New Mexico Oil Conservation Commission Drawer DD Artesia, New Mexico 88210

Dear Mr. Gressett:

Attached is proof that Amoco Production Company, Box 68, Hobbs, New Mexico 88240, was notified by certified mail of our request for an exception to N.M.O.C.C. Rule 103 B I (a) to drill Laguna Grande Unit (Federal), Well No. 1.

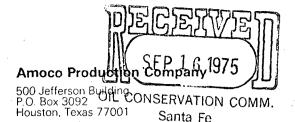
Very truly yours,

Melba Knipling

Proration Specialist

MK/





E. E. Morris Division Engineer

RECEIVED

September 11, 1975

SEP 1 5 1975

File: DRC-986.51NM-3391

O.C.C. Artesia, office

Ře:

Non-Standard Location Waiver

Laguna Grande Unit (Federal) Well No. 1

Eddy County, New Mexico

Mr. Jim Knauff United States Geological Survey 210 Carper Building Artesia, NM 88210

Mr. W. A. Gressett V New Mexico Conservation Commission Drawer DD Artesia, NM 88210

Gentlemen:

Exxon Company, U.S.A. has made application for a permit to drill the Laguna Grande (Federal) Well No. 1 at a location in Eddy County described as: 1380' FSL and 990' FEL of Section 28, T28S, R29E.

The location will be irregular in that Rule 103BI(a) requires that a wildcat gas well projected to a formation of the Pennsylvania age or older be no closer than 1980' to the nearest end boundary and no closer than 330' to any quarter-quarter section line. The proposed well site does not meet these criteria.

As an offset operator, Amoco Production Company has no objection to this application and hereby waives notice and hearing.

Yours very truly,

cc: Exxon Company, U.S. A.

Maris Dr

Box 1600

Midland, TX 79701

EHW:as

nSL-724



Amoco Production Company

500 Jefferson Building P.O. Box 3092 Houston, Texas 77001

E. E. Morris Division Engineer

September 11, 1975

ATION COMM.

File: DRC-986.51NM-3391

Re: Non-Standard Location Waiver

Laguna Grande Unit (Federal) Well No. 1

Eddy County, New Mexico

Mr. Jim Knauff United States Geological Survey 210 Carper Building Artesia, NM 88210

Mr. W. A. Gressett New Mexico Conservation Commission Drawer DD Artesia, NM 88210

Gentlemen:

Exxon Company, U.S.A. has made application for a permit to drill the Laguna Grande (Federal) Well No. 1 at a location in Eddy County described as: 1380' FSL and 990' FEL of Section 28, T285, R29E.

The location will be irregular in that Rule 103BI(a) requires that a wildcat gas well projected to a formation of the Pennsylvania age or older be no closer than 1980' to the nearest end boundary and no closer than 330' to any quarter-quarter section line. The proposed well site does not meet these criteria.

As an offset operator, Amoco Production Company has no objection to this application and hereby waives notice and hearing.

Yours very truly,

cc: Exxon Company, U.S. A.

Box 1600

Midland, TX 79701

EHW:as