SUBMIT IN TRIPLICATE*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES

30.045-03931

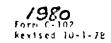
		OF THE I					5. LEASE DESIGNATION AND SERIAL NO.	
		GICAL SURV					NM 01772-A	
APPLICATION F	OR PERMIT T	O DRILL, I	DEEPI	N, OR PL	UG B	ACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
a. TYPE OF WORK DRILL	[25]	DEEPEN [7	DITI	G BAG	יע ר	7. UNIT AGREEMENT NAME	
b. TYPE OF WELL		DEEPEN		PLO	G BA	-K [_]		
OIL GAS WELL WELL	X OTHER			NGLE E	MULTIP ZONE	LE []	S. FARM OR LEASE NAME	
NAME OF OPERATOR				:			Neudecker	
El Paso Natu	ral Gas Com	ıpany					9. WELL NO.	
ADDRESS OF OPERATOR							7E -	
20 Box 289, 1							10. FIELD AND FOOL, OR WILDCAT	
LOCATION OF WELL (Report At surface			h any S	tate requiremen	ts.*)		Basin Dakota .	
•	1520'N, 18	50'W			_		11. SEC., T., B., M., OR BLK. AND SURVEY OR AREA	
At proposed prod. zone							Sec.13, T-29-N, R-10	
. DISTANCE IN MILES AND	Same	EST TOWN OR POS	T OFFICE	n. •			NMPM 12. COUNTY OR PARISH 13. STATE	
7 miles nort								
. DISTANCE FROM PROPOSED		DIPLIMOO.		. OF ACRES IN I	EASE	17. NO. 0	San Juan NM	
LOCATION TO NEAREST PROPERTY OR LEASE LINE,		790'		2337	48	то тн	319.80	
Also to nearest drig. un	LOCATION*		19. PR	OPOSED DEPTH		20. ROTAL	TARY OR CABLE TOOLS	
TO NEAREST WELL, DRILLI OR APPLIED FOR, ON THIS LE		500'		6775	1	Rotar		
. ELEVATIONS (Show whether	DF, RT, GR, etc.)					1	22. APPROX. DATE WORK WILL START*	
5720 ' GL								
	P	ROPOSED CASIN	IG AND	CEMENTING	PROGRA	.м		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	оот	SETTING DE	PTH	1	QUANTITY OF CEMENT	
3 3/4"	9 5/8"	36.0#		200		224		
3 3/4" &	4 1/2"	10.5#	٦.	6775			cu.ft. to circulate cu.ft 3 stages	
7 7/8"	1 1 2	11.6#				100	cu.ic 3 scayes	
	677 cu.ft. perforate a	to cover	Ojo ater	Alamo fractur			ta formation.	
blind and pip	pe rams wil	1 be used	d fo	r blow o	ut p	revent	cion on this well.	
This gas is o	dedicated.							
							1107 01 1873	
The W/2 of Se	ection 13 i	s dedicat	ted	to this	well	•		
ABOVE SPACE DESCRIBE PRO ne. If proposal is to drill eventer program, if any.	POSED PROGRAM: If poor deepen directional	roposal is to deep ly, give pertinent	en or pl data o	iug back, give da n subsurface loca	ata on prations an	esent proklu d measured	crive zone and proposed new productive and true vertical depths. Give blowout	
SIGNED SELECT	Buch	CC TIT	LE	Dril	ling	Clerk	DATE 29-79	
('This space for Federal or	r State office use)							
PERMIT NO.				APPROVAL DATE _			/ / / / / / / / / / / / / / / / / / / /	
							1912	
Al'PROVED BY		TIT	LE				DATIO	
CONDITIONS OF APPROVAL, IF	1 =	,	. 1	200				
	or sa	~h	NW	OCC;			Colly Dicy, " was	

*See Instructions On Reverse Side

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION P. D. BOX 2088

SANTA FE, NEW MEXICO 87501



All distances must be from the cuter houndaries of the Section							
Operator		Lease		Well No.			
EL PASO NATUR	AL GAS COMPANY	NEUDECKER	(NM-01772-A)	7-E			
Unit Lette: Sect		Range	County				
F.	13 29N	10W	San Juan				
Actual Footage Location	of Well:						
1520 fee	t from the North	line and 1850	eet from the West	line			
Ground Level Elev.	Producing Formation	Pool		edicated Acreage:			
5720	Dakota	Basin Dakota	_	210 80 -			
	1	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·			
1. Outline the ac	reage dedicated to the s	subject well by colored pencil	or hachure marks on the	plat below.			
 If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consoli- 							
dated by comm	unitization, unitization, f	orce-pooling. etc?					
X Yes	No If answer is "ye	s," type of consolidation	Communitizati	on			
If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)							
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	1	Ĭ ì	I berehv ser	tify that the information con-			
MM-01772-A	i -1 🗱		I 1	n is true and complete to the			
M.	520	!		· ·			
<b>X</b>		!	Desiror my k	nowledge and belief.			
XXI	! 7 🕅	l	1 /cal	2 Bushling			
<b>[</b> []	'   🔀	1	Name				
	☀ − −  − − −   段		Drilling	Clerk			
<u> 1850'</u>		i	Position				
		i	1 1	Natural Gas Co.			
KX1		•		Tractical day co.			
SF-079509			Company	29, 1979			
M		i ·		23, 2313			
K#I		i	Date				
<b>12</b> 33	Sec.	i					
M <del>illiania i de la comoció</del>							
KM	1 33	3-					
$I_{77}$	·	13	I hereby ce	ertify that the well-location			
<b>₹</b> 7	I III	1	shown on thi	is plat was plotted from field			
Ø 0	1 (3)	1	notes of act	tual surveys made by me or			
XII	1	<b>.</b>	under my su	pervision, and that the same			
<b>XX</b> 1			is true and	correct to the best of my			
KM3			knowledge a	·			
M SF-0	80655						
KXI	!	1					
KM	· M	. 1	Date Surveyed	200			
M	!	· <b>!</b>	Septemb				
M		1	1 1 3	tessional Engineers			
	I W	1	and/or Laris St	arvoyor - 2			
XII	1 🔛	i	11 2	松松			
	<del>damananan</del> iN	j	Fred Bo	Kerr Jr.			
Name of the second			Certificate No.	ふしてず/			
0 330 650 90	1320 1650 1980 2310 2640	2000 1500 1000	3950	(1) 94 (1) 2 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1) 1			



P. O. BOX 990 FARMINGTON, NEW MEXICO 87401 PHONE: 505-325-2841

#### Multi-Point Surface Use Plan

#### Neudecker #7E

- 1. Existing Road Please refer to Map No. 1 which shows the existing roads. New roads which will be required have been marked on this map.

  All existing and new roads will be properly maintained during the duration of this project.
- 2. Planned Access Roads Please refer to Map No. 1. The grade of the access roads will be consistent with that of the local terrain. The road surface will not exceed twenty feet (20') in width. Upon completion of the project, the access road will be adequately drained to control soil erosion. Drainage facilities may include ditches, water bars, culverts or any other measure deemed necessary by trained Company personnel to insure proper drainage. Gates and/or cattleguards will be installed if necessary.
- 3. Location of Existing Wells Please refer to Map No. 2.
- 4. Location of Tank Batteries, Production Facilities, and Production Gathering and Service Lines Please refer to Maps No. 1 and No. 2.

  Map No. 2 shows the existing gas gathering lines. Map No. 1 shows the existing roads and new proposed access roads. All known production facilities are shown on these two maps.
- 5. Location and Type of Water Supply Water for the proposed project will be obtained from San Juan River.
- 6. Source of Construction Materials No additional materials will be required to build either the access road or the proposed location.
- 7. Methods of Handling Waste Materials All garbage and trash materials will be put into a burn pit shown on the attached Location Plat No. 1. When clean-up operations are begun on the proposed project, the burn pit with its refuse will be buried to a depth of at least three feet (3'). A latrine, the location of which is also shown on Plat No. 1,

7. cont'd.

- will be provided for human waste. If large amounts of liquids are left in the reserve pit after completion of the project, the pit will be fenced until the liquids have had adequate time to dry. The location clean-up will not take place until such time as the reserve pit can be properly covered over to prevent run-off from carrying any of these materials into the watershed. No earthen pit will be located on natural drainages; all earthen pits will be so constructed as to prevent leakage from occurring.
- 8. Ancillary Facilities No camps or airstrips will be associated with this project.
- 9. Wellsite Layout Please refer to the attached Plat No. 1.
- 10. Plans for Restoration of the Surface After completion of the proposed project, the location will be cleaned and leveled. The location will be left in such a condition that will enable reseeding operations to be carried out. Seed mixture as designated by the responsible government agency will be used. The reseeding operation will be performed during the time period set forth by the regulatory body. The location production equipment will be painted as designated by the responsible government agency.
- 11. Other Information The terrain is low rolling hills with juniper and sage growing. Cattle and deer are seen occasionally on the proposed project site.
- 12. Operator's Representative W.D. Dawson, PO Box 990, Farmington, NM
- 13. Certification -

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which 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 the operations proposed herein will be performed by El Paso Natural Gas Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

L. A. Aimes

Project Drilling Engineer

### :Operations Plan - Neudecker #7E

I. Location: 1520'N, 1850'W, Section 13, T-29-N, R-10-W, San Juan County, NM Field: Basin Dakota Elevation: 5730'GL

### II. Geology:

~	m		a 6	- ·		
A.,	Formation	Tops:	Surface	Animas	Menefee	3890'
			Ojo Alamo	931'	Point Lookout	4440 '
			Kirtland	1065'	Gallup	5628'
			Fruitland	15601	Greenhorn	63861
			Pic.Cliffs	2115'	Graneros	6445'
			Lewis	2209'	Dakota	658 <b>0</b> "
			Mesa Verde	3755 <b>'</b>	Total Depth	6775 '

- B. Logging Program: Induction Electric and Gamma Ray Density at TD.
- C. Coring: none

### III. Drilling:

A. Mud Program: mud from surface to Total Depth.

#### IV. Materials:

A. Casing Program	ing Program:	Hole Size	Depth	Csg.Size	Wt.&Grade
	8 3/4	13 3/4" & 7 7/8"	200 <b>'</b> 6775'	9 5/8" 4 1/2"	36.0# H-40 10.5# K-55

B. Float Equipment: 9 5/8" surface casing - cement guide shoe

4 1/2" production casing - guide shoe and self-fill insert valve Two multiple stage cementers equipped for three stage cementing. Set tool for second stage at 5040' and tool for third stage at 2309'. Run 20 centralizers spaced as follows: one on each of the bottom 8 joints, one below each stage tool, and five above each stage tool spaced every other joint.

- C. Tubing: 6775' of 2 3/8", 4.7#, J-55 tubing, common pump seating nipple and Baker expendable check valve with drill type guide.
- D. Wellhead Equipment: 9 5/8" x 10" 2000 psi casing head with 4 1/2" casing hanger, 10" 2000 x 6" 2000 xmas tree with 2 3/8" tubing hanger.

### V. Cementing:

Surface casing (13 3/4" x 9 5/8") - use 190 sks. of Class "B" cement with 1/4# gel-flake per sack and 3% calcium chloride (224 cu.ft. of slurry, 100% excess to circulate). WOC 12 hours. Test to 600#/30 min.

#### Operations Plan - Neudecker #7E

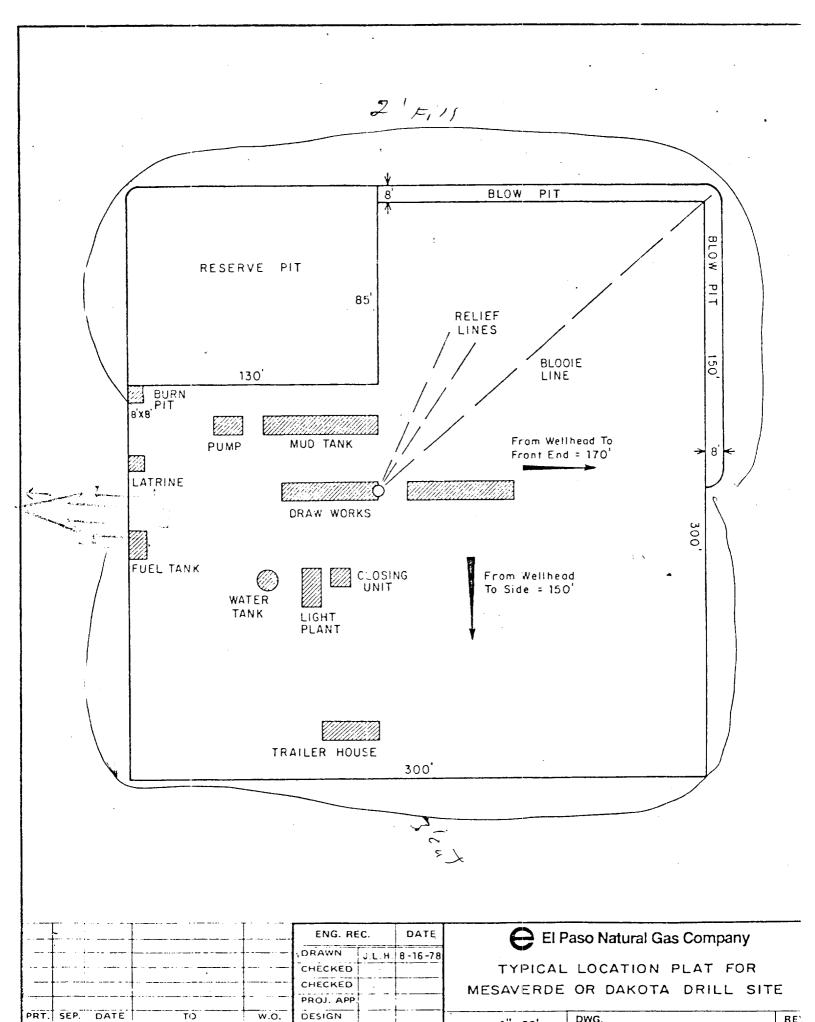
# V. Cementing, cont'd.

Production casing - (8 3/4" & 7 7/8" x 4 1/2")

First stage - use 149 sks. of 65/35 Class "B" Pozmix with 6% gel and 2% calcium chloride mixed with 8.3 gallons water per sack followed by 70 sks. 50/50 Class "B" Pozmix with 2% gel, 2% calcium chloride and 1/4# fine tuf-plug per cu.ft. (329 cu.ft. of slurry, 25% excess to cover the Gallup).

Second stage - circulate mud for 2 hours, then cement with 365 sks. of 65/35 Class "B" Pozmix with 6% gel and 2% calcium chloride and 8.3 gallons of water per sack (592 cu.ft. of slurry, 60% excess to cover the Mesa Verde).

Third stage - circulate mud for 2 hours, then cement using 418 sks. Class "B" Pozmix with 6% gel and 2% calcium chloride mixed with 8.3 gallons water per sack (677 cu.ft. of slurry, 60% excess to fill to top of Ojo Alamo). Run temperature survey on top stage only at 8 hours. WOC 18 hours.



DWG.

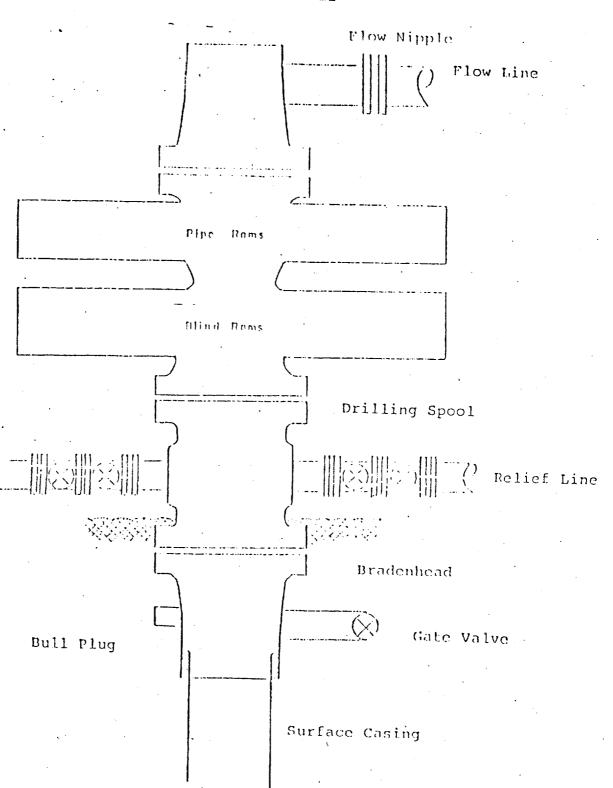
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SCALE: 1" = 50"

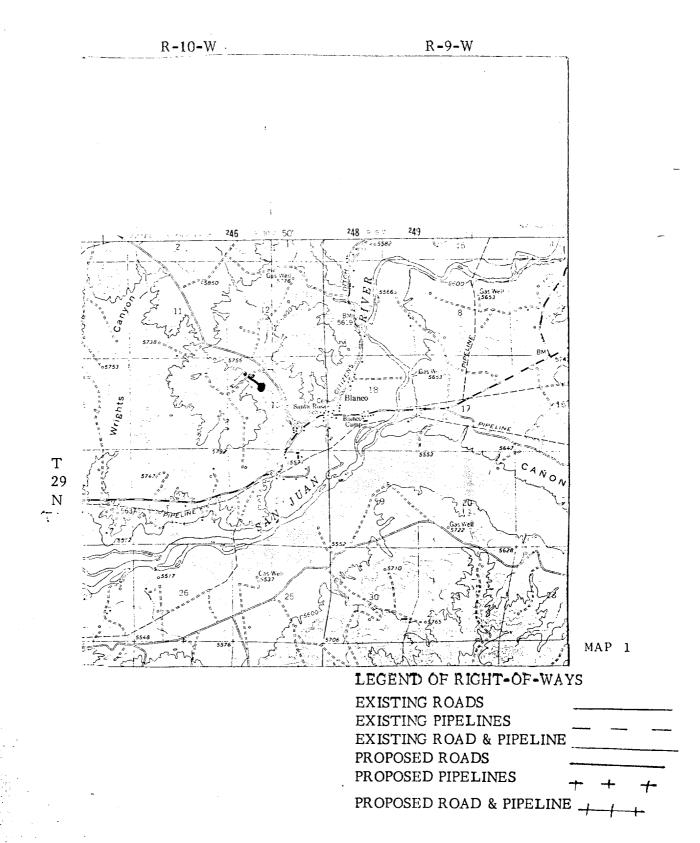
PRINT RECORD

w.o.

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Scries 900 Double Gate BOP, rated at 3000 psi Working Pressure
When gas drilling operations begin a Shaffer type 50 or equivalent rotating head is installed on top of the flow nipple and the flow line is converted into a blowie line.



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El Paso Natural Gas Company Neudecker #7 E NW 13-29-10

