#### SUBMIT IN TRIPLICATE\*

Form approved.

#### (Other instructions on reverse side) UNITED STATES DEPARTMENT OF THE INTERIOR

Budget Bureau	No. 42-R1425.
30-039	. 22.00
50-05/	- W 2 177
5. LEASE DESIGNATION A	AND SERIAL NO.

DEPEN DE LES CONTROL DE L'ALTER DE L'ALTER DE L'ALTER DE L'ALTER DEPEN DE L'ALTER DE L'ALTE DE L'ALTER DE L'ALTER DE L'ALTER DE L'ALTER DE L'ALTER DE L'ALTE		GEOL	OGICAL SURV	EY				SF 079266
DEFINE DEFINE DEFINE PLUG BACK TO THE STATE OF WHALE STATE OF S	APPLICATION	N FOR PERMIT	TO DRILL, I	DEEP	EN, OR P	LUG E	BACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
THE OF WHALE    SALE   START OR CALLE SAME   SALE	a. TYPE OF WORK						<del></del>	
S. PARM OR LEGIE NAME:    S. PARM OR LEGIE NAME:   S. PARM OR LEGIE NAME:   Consider of prometers			DEEPEN I		PL	UG BA	CK 🗌	1. UNIT AGREEMENT NAME
NAME OF OPERATOR  ET PASO Natural Gas Company  ADDITIONAL OF PROPERTY OF COMPANY  DO BOX 289, Farmington, NM 87401  1530'S, 1450'W  AT PROPOSED PROJECT PROPERTY OF CAMERY WILL (Report lecation clearly and in accordance with any State requirements.)  AT PROPOSED PROJECT PROPOSED PROJECT PROPOSED PROPERTY OF CAMERY IN MILES AND DESCRIPTION FROM MEASURE TOWN OF POST OFFICE.  17.5 miles  DISTANCE IN MILES AND DESCRIPTION FROM MEASURE TOWN OF POST OFFICE.  17.5 miles  DISTANCE FROM PROPOSED LOCATIONS TO THE PROP	OIL C					MULTIF	ינוט רון	S. TARM OR LEAGUE NAME
El Paso Natural Gas Company  Do Box 289, Farmington, NM 87401  Itosophor or Well (Report location clearly and in secondare with any State requirements.)  Al property prof. 2018  Al property prof. 2018  Same  Distance in Miles And Dissaction FROM Meabage Town or for office.  17. 5 miles  Distance in Miles And Dissaction FROM Meabage Town or for office.  18. No. of acres of NMPM  12. COUNTY ON FARIER 18. No. of acres of NMPM  12. COUNTY ON FARIER 18. No. of acres of NMPM  13. No. of acres of NMPM  14. No. of acres of NMPM  15. No. of acres of NMPM  16. No. of acres of Indian Prof. of NMPM  17. No. office of NMPM  18. Office of NMPM  19. Office of NMPM  19. Office of NMPM  19. Office of NMPM  19. Office of NMPM  10. Office of NMPM  11. NMPM  12. Office of NMPM  13. Office of NMPM  14. Office of NMPM  15. NMPM  16. NO. Office of Acres of NMPM  16. NO. Office of NMPM  17. NO. Office of NMPM  18. Office of NMPM  18. Office of NMPM  19. Of	NAME OF OPERATOR	ELL OTHER		Z	ONE LT	ZONE		
ADDRESS OF OFERATOR  PO BOX 289, Farmington, NM 87401  100. Fired and Note, (Report location clearly and in secondance with any State requirements.)  At proposed prof. zone  Same  Same  Soc. 29, T-20-N, R-6-N/PM  17. 5 miles  DESTANCE IN MILES AND UNBERTION FROM NEAREST TOWN OR PORT OFFICE'  17. 5 miles  DESTANCE IN MILES AND UNBERTION FROM NEAREST TOWN OR PORT OFFICE'  18. NO. OF ACRES IN LEASE  BOXTANCE IN MILES AND UNBERTION FROM NEAREST TOWN OR PORT OFFICE'  19. FROFOSED DEFFN  300 of PROFESS AND CONTROL OF ACRES IN LEASE  BOXTANCE FROM PROPURED LOCATION'  10. NO. OF ACRES IN LEASE  RIC ATTIBLE  11. NO. OF ACRES IN LEASE  RIC ATTIBLE AND NEAR AND UNBERTION FROM NEAR AND UNBERTION FROM NEW YEAR AND UNBERTION FROM NEW YEAR AND UNBERTING PROGRAM  SIZE OF MORE	El Paso Na	tural Gas Co	ompany					
DESTANCE IN MILES AND DESCRIPTION TO REARREST TOWN OR FORT OFFICE'  17.5 miles  DESTANCE IN MILES AND DESCRIPTION FROM NEAREST TOWN OR FORT OFFICE'  17.5 miles  DESTANCE IN MILES AND DESCRIPTION FROM NEAREST TOWN OR FORT OFFICE'  17.5 miles  DESTANCE IN MILES AND DESCRIPTION FROM NEAREST TOWN OR FORT OFFICE'  17.5 miles  DESTANCE AND PROPERTY OF PROPERTY OF ACRES IN LEASE TO YELLOW THE NEAR THE PROPERTY OF PROP	ADDRESS OF OPERATOR				<del></del>			1
At proposed prod. sone  Same  Same  DISTANCE IN MILES AND DIRECTION FROM NEARING TOWN OR POST OFFICE*  17.5 miles  DISTANCE FROM PROPOSED CARRY PROPOSED CARRY TO REASE TOWN OR POST OFFICE*  18. COUNT OR PARENT IN THE PROPOSED CARRY TO REASE THE HEAVY OF PARENT IN THE POST OF THE PROPOSED CARRY TO REASE TWELL DIRECTION, COMPARTED, 300 1 19. PROPOSED DEPTH TO REASE TOWN OR PROPOSED CARRY TO REASE TWELL DIRECTION, COMPARTED, 300 1 19. PROPOSED DEPTH TO REASE TWELL DIRECTION, COMPARTED, 300 1 19. PROPOSED DEPTH TO REASE TWELL DIRECTION, COMPARTED, 300 1 19. PROPOSED DEPTH TO REASE TWELL DIRECTION, COMPARTED, 300 1 19. PROPOSED DEPTH TO REASE TWELL DIRECTION, COMPARTED, 300 1 19. PROPOSED DEPTH TO REASE TWELL DIRECTION, COMPARTED, 300 1 19. PROPOSED DEPTH TO REASE TWELL DIRECTION, COMPARTED, 300 1 19. PROPOSED DEPTH TO REASE TWELL DIRECTION, COMPARTED, 300 1 19. PROPOSED DEPTH TO REASE TWELL DIRECTION, COMPARTED, 300 1 19. PROPOSED DEPTH TO REASE TWELL DIRECTION, TO REAS								10. FIELD AND POOL, OR WILDCAT
At proposed prod. some  Same  DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OF POST OFFICE*  DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OF POST OFFICE*  DISTANCE FROM PROPOSED.  DISTANC	LOCATION OF WELL (R			h any	state requireme	nts.*)	-	Basin Dakota 一
At proposed grod. Some  Same  DISTANCE IN MILES AND DERECTION FROM NEARBEST TOWN OR FORT OFFICE*  17. 5 miles  DISTANCE FOOK PROTECTION FROM NEARBEST TOWN OR FORT OFFICE*  DISTANCE FOOK PROTECT CONTROL AND DERECTION FROM NEARBEST TOWN OR FORT OFFICE*  DISTANCE FOOK PROTECT CONTROL AND DESCRIPTION OF ACRES IN LEASE  DISTANCE FOOK PROTECT CONTROL AND DESCRIPTION OF ACRES IN LEASE  DISTANCE FOOK PROTECT CONTROL AND DESCRIPTION OF ACRES IN LEASE  PROTECT OF ACRES TO LEASE IN THE MALE TO THE MENT OF ACRES IN LEASE  TO MARKET WELL, BRILLING, COMPLETED,  ON AFTIDE FOOK ON THIS MALE. TO SERVE AND CARRY OR CARD. TOURS.  DISTANCE FOOK ON THIS MALE. TO SERVE AND CARRY OR CARD. TOURS.  REPORTING (Show whether DF, RT, GR, etc.)  10. FROM DEFTH  13. 3/4"  9. 5/8"  36.0 # 200'  22. APPROX. DATE WORK WILL STATE  13. 3/4"  9. 5/8"  36.0 # 200'  117.0 CU. ft 3 Stages  1st stage - 432 cu. ft. to cover Gallup  2nd stage - 399 cu. ft. to cover Mesa Verde  3rd stage - 399 cu. ft. to cover Ojo Alamo  Selectively perforate and sandwater fracture the Dakota formation.  A 3000 psi WP and 6000 psi test double gate preventer equipped with a cover program of the cover o		1530'S,	1450'W					11. SEC., T., R., M., OR BLK.
DISTANCE IN MILES AND DIRECTION PROM NEAREST TOWN OR FORT OFFICE*  17. 5 miles  18. ECONSTION PROMISED TOWN NEAREST TOWN OR FORT OFFICE*  19. MILES AND DIRECTION PROM NEAREST TOWN OR FORT OFFICE*  10. NO. OF ACRES IN LEASE IN LE	At proposed prod. zon	e						Sec. 29, T-26-N, R-6-W
17. 5 miles    Richard From   Richar	DIEMINON IN WILDS				·			NMPM
DISPANCE FROM FROMORDS.  LOCATION TO MARKET R.  LOCATION T.  LOCATION TO MARKET R.  LOCATION T.  LOCATION TO MARKET R.  LOCATION T.  LOCATI		AND DIRECTION FROM N	EAREST TOWN OR POS'	T OFFIC	E*			i i
DOCATION TO NAMESE F. F. CABLOW TO THE WELL W. 320.00.  10. TABLE TO THE WELL W. 320.00.  10. TABLE TO THE WELL WILLIAM STAFF.  10. DISTANCE FROM PROPOSED LOCATION* TO PELARET WELL, DRILLING, COMPLETED, OR AFFLIND FOR, ON THIS LASSE, VI.  10. DISTANCE FROM PROPOSED LOCATION* TO PELARET WELL, DRILLING, COMPLETED, OR AFFLIND FOR, ON THIS LASSE, VI.  10. DISTANCE FROM PROPOSED LOCATION* TO PELARET WELL, DRILLING, COMPLETED, OR AFFLIND FOR, ON THIS LASSE, VI.  10. DISTANCE FROM PROPOSED LOCATION* TO PROPOSED CASING AND CEMENTING PROGRAM  11. DISTANCE FROM WEIGHT FRE FOOT  12. AFFROX. DATE WORK WILL STAFF.  13. 3/4" 9. 5/8" 36.0.0 # 200' 22. AFFROX. DATE WORK WILL STAFF.  13. 3/4" 9. 5/8" 36.0.0 # 200' 22. AFFROX. DATE WORK WILL STAFF.  13. 3/4" 9. 5/8" 10. 5 # 11.0 C C C C C C C C C C C C C C C C C C C		gen*		10 2				
The W/2 of Section 29 is dedicated to this well.  The W/2 of Section 29 is dedicated to this well.  The W/2 of Section 29 is dedicated to this well.  The W/2 of Section 29 is dedicated to this well.  The W/2 of Section 29 is dedicated to this well.  The W/2 of Section 29 is dedicated to this well.  The W/2 of Section 29 is dedicated to this well.  The W/2 of Section 29 is dedicated to this well.  SIGNED W/2 DATE WORD WATER DEATH ANY:  TITLE  DATE OF FEderal or State office use)  PERMIT NO.  APPROVAL BY APPROVAL BY ANY:  19. FROPOSED DEFTH 7270' ROTATY GR CABLE TOOLS  ROTATY  ROTATY  12. APPROVE DATE WORLD  ROTATY GR CABLE TOOLS  ROTATY  ROTATY  22. APPROX DATE WORLD  ROTATY GR CABLE TOOLS  ROTATY  ROTATY  22. APPROX DATE WORLD  ROTATY  1170 cu.ft 3 stages  SETING DEFTH  7270' 1170 cu.ft 3 stages  SETING DEFTH  7270' 1170 cu.ft 3 stages  ROTATY GR CABLE TOOLS  ROTATY  22. APPROX DATE WORLD  ROTATY  ROTATY  ROTATY  22. APPROX DATE WORLD  ROTATY  ROTATY  ROTATY  22. APPROX DATE WORLD  ROTATY  ROTATY  1170 cu.ft 3 stages  ROTATY GR CABLE TOOLS  ROTATY  22. APPROX DATE WORLD  ROTATY  1170 cu.ft 3 stages  ROTATY GR CABLE TOOLS  ROTATY  1170 cu.ft 3 stages  ROTATY GR CABLE TOOLS  ROTATY  1170 cu.ft 3 stages  ROTATY GR CABLE TOOLS  ROTATY  1170 cu.ft 3 stages  ROTATY GR CABLE TOOLS  ROTATY  1170 cu.ft 3 stages  ROTATY GR CABLE TOOLS  ROTATY  1170 cu.ft 10 surfaces  ROTATY GR CABLE TOOLS  ROTATY  1170 cu.ft 10 surfaces  ROTATY GR CABLE TOOLS  ROTATY  1170 cu.ft 10 surfaces  ROTATY  1170 c	LOCATION TO NEAREST	r		16. N			17. NO. 0	HIS WELL
TO PEREST WELL, BRILLING, COMPLETED, 300' 7270' Rotary  EEVATIONS (Show whether DF. RT. GR. etc.)  6462'GL  PROPOSED CASING AND CEMENTING PROGRAM  SIER OF HOLE SIER OF CASING WEIGHT FER FOOT SETTING DEFTH QUANTITY OF CEMENT 7.7/8" 4 1/2" 10.5#&11.6# 7270' 1170 cu.ft 3 stages  13 3/4" 9 5/8" 36.0# 7270' 1170 cu.ft 3 stages  1st stage - 432 cu.ft. to cover Gallup 2nd stage - 399 cu.ft. to cover Mesa Verde 3rd stage - 399 cu.ft. to cover Ojo Alamo  Selectively perforate and sandwater fracture the Dakota formation.  A 3000 psi WP and 6000 psi test double gate preventer equipped with blind and pipe rams will be used for blow out prevention on this well.  This gas is dedicated.  The W/2 of Section 29 is dedicated to this well.  ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and propopying inductive to the proposal is to define or plug back, give data on present productive zone and propopying inductive to the proposal is to define or plug back, give data on present productive zone and propopying inductive to the proposal is to define or plug back, give data on present productive zone and propopying inductive to the proposal is to define or plug back, give data on present productive zone and propopying inductive to the proposal is to define or plug back, give data on present productive zone and propopying inductive zone proposal is to define use)  FIEMIT NO.  APPROVAL DATE  OCT 161979	(Also to nearest drlg	g. unit line, if any)	1010'	10 -		<u> </u>		
ELEVATIONS (Show whether DF, RT, GR, etc.)  6462'GL  PROPOSED CASING AND CEMENTING PROGRAM  SIZE OF MOLE SIZE OF CASING WEIGHT PER POOT SETTING DEPTH QUANTITY OF CEMENT  13 3/4" 9 5/8" 36.0# 200' 224 cu.ft. circ. to surf 7 7/8" 4 1/2" 10.5#&11.6# 7270' 1170 cu.ft 3 stages  1st stage - 432 cu.ft. to cover Gallup 2nd stage - 399 cu.ft. to cover Mesa Verde 3rd stage - 339 cu.ft. to cover Ojo Alamo  Selectively perforate and sandwater fracture the Dakota formation.  A 3000 psi WP and 6000 psi test double gate preventer equipped with blind and pipe rams will be used for blow out prevention on this well.  This gas is dedicated.  OCT 18 1979  OIL CON. COM- ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proportion for blow center program. If any.  SIGNED A STACE DESCRIBE PROPOSED PROCRAM: If proposal is to deepen or plug back, give data on present productive zone and proportion for blow center program. If any.  OCT 16 1979  OCT 16 1979  OCT 16 1979  APPROVAL DATE  OCT 16 1979	TO NEAREST WELL, D	RILLING, COMPLETED,	รกกา	19. PI		0 '	l	
PROPOSED CASING AND CEMENTING PROGRAM  SIZE OF HOLE  SIZE OF HOLE  SIZE OF HOLE  SIZE OF CASING  SETTING DEPTH  200' 224 CU. ft. circ. to Surf  7 7/8"  4 1/2"  10.5#&11.6#  7270'  1170 Cu.ft 3 stages  lst stage - 432 cu.ft. to cover Gallup  2nd stage - 399 cu.ft. to cover Mesa Verde  3rd stage - 339 cu.ft. to cover Ojo Alamo  Selectively perforate and sandwater fracture the Dakota formation.  A 3000 psi WP and 6000 psi test double gate preventer equipped with  blind and pipe rams will be used for blow out prevention on his well.  This gas is dedicated.  CT 18 1979  OIL CON. COM-  ABOVE SPACE DESCRIBE FRONDSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proportions is to define the program. If any.  SEIONED  CT 18 1979  OIL CON. COM-  CHI PROPOSAL IS to define use)  PREMIT NO.  APPROVAL DATE  DATE 10-11-79  APPROVAL DATE  TITLE  DATE 10-11-79  APPROVAL DATE  DATE 10-11-79  APPROVAL DATE  TITLE  DATE 10-11-79			300		121		INUCAL	
SIZE OF BOLE  SIZE OF SIZE OF BOLE  SIZE OF BOLE  SIZE OF BOLE  SIZE OF BOLE  SIZE OF SIZE OF BOLE		,,,,			•			22. APPROX. DATE WORK WILL START*
SIZE OF HOLE  SIZE OF CASING  WEIGHT FER FOOT  36.0 # 200' 224 CU.ft. circ. to Surf 7 7/8" 4 1/2" 10.5 # 811.6 # 7270' 1170 CU.ft 3 stages  Ist stage - 432 cu.ft. to cover Gallup 2nd stage - 399 cu.ft. to cover Mesa Verde 3rd stage - 339 cu.ft. to cover Ojo Alamo  Selectively perforate and sandwater fracture the Dakota formation.  A 3000 psi WP and 6000 psi test double gate preventer equipped with blind and pipe rams will be used for blow out prevention on this wall.  This gas is dedicated.  The W/2 of Section 29 is dedicated to this well.  ABOVE BYACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone into proposal is to deepen or plug back, give data on present productive zone into proposal is decided.  The W/2 of Section 29 is dedicated to this well.  ABOVE BYACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone into proposal is deducted.  Drilling Clerk DATE 10-11-79  (This space for Federal or State office use)  PERMIT NO.  APPROVAL DATE  OCT 16 1979			DDODOGED CASIN	IC ABIT	OEM TONIUS OF	, ppoop		
13 3/4" 9 5/8" 36.0# 200' 224 cu.ft. circ. to surf 7 7/8" 4 1/2" 10.5#&ll.6# 7270' 1170 cu.ft 3 stages  1st stage - 432 cu.ft. to cover Gallup 2nd stage - 399 cu.ft. to cover Mesa Verde 3rd stage - 339 cu.ft. to cover Ojo Alamo  Selectively perforate and sandwater fracture the Dakota formation.  A 3000 psi WP and 6000 psi test double gate preventer equipped with blind and pipe rams will be used for blow out prevention on first well.  This gas is dedicated.  The W/2 of Section 29 is dedicated to this well.  ABOVE BPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone at proposals. The proposal is to deepen or plug back, give data on present productive zone at proposals. Give bloom frence program, if any.  SIGNED J.							·M	
1 Towns 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					SETTING D	ЕРТН		QUANTITY OF CEMENT
lst stage - 432 cu.ft. to cover Gallup 2nd stage - 399 cu.ft. to cover Mesa Verde 3rd stage - 339 cu.ft. to cover Mesa Verde 3rd stage - 339 cu.ft. to cover Ojo Alamo  Selectively perforate and sandwater fracture the Dakota formation.  A 3000 psi WP and 6000 psi test double gate preventer equipped with blind and pipe rams will be used for blow out prevention on this wall.  This gas is dedicated.  OCT 18 1979  OIL CON. COM- ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proportion of Moducity center program. If any.  SIONED  TYPE Drilling Clerk DATE 10-11-79  OCT 16 1979  OCT 16 1979  OCT 16 1979								
2nd stage - 399 cu.ft. to cover Mesa Verde 3rd stage - 339 cu.ft. to cover Ojo Alamo  Selectively perforate and sandwater fracture the Dakota formation.  A 3000 psi WP and 6000 psi test double gate preventer equipped with blind and pipe rams will be used for blow out prevention on this well.  This gas is dedicated.  OCT 18 1979  OIL CON. COM.  ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and propopried for poductive zone and p	/ //8"	4 1/2"	10.5#&11.	6#	7270	0'	1170	cu.ft 3 stages
This gas is dedicated.  The W/2 of Section 29 is dedicated to this well.  ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and propografies in Dillow by the proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true verbal depths. Give blow by the proposal of the proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true verbal depths. Give blow by the proposal of the proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true verbal depths. Give blow by the proposal of the proposal of the proposal is to deepen or plug back, give data on present productive zone and propografies in depths. Give blow by the proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true verbal depths. Give blow by the proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true verbal depths. Give blow by the proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true verbal depths. Give blow by the proposal is to drill or deepen or plug back, give data on present productive zone and propografies in directional in the proposal is to deepen or plug back, give data on present productive zone and propografies in directional in the proposal is to deepen or plug back, give data on present productive zone and propografies in directional in the proposal is to deepen or plug back, give data on present productive zone and propografies in directional in the proposal is to deepen or plug back, give data on present productive zone and propografies in directional in the proposal is to deepen or plug back, give data on present productive zone and propografies in directional in the proposal is to deepen or plug back, give data on present productive zone and propografies in dir	3rd stage -	- 339 cu.ft.	to cover	Ojo	Alamo	re the	e Dako	ta formation.
e. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blow usenter program, if any.  SIGNED	blind and p	pipe rams wi	ll be used	dou l fo	ble gate r blow o	e prev out p	venter revent	equipped with ion on this well
TITLE Drilling Clerk DATE 10-11-79  (This space for Federal or State office use)  PERMIT NO. APPROVAL DATE  APPROVED BY CONDITIONS OF APPROVAL, IF ANY:  OCT 161979	ABOVE SPACE DESCRIBE	PROPOSED PROGRAM; In						OCT 181979 OIL CON. COM- active zone and proported are paductive and true vertical depths. Give blow out
APPROVAL DATE  APPROVAL DATE  OCT 16 1979	SIGNED A.	1. Busco	TiT)	LE	Dri]	lling	Clerk	DATE 10-11-79
APPROVED BY	(This space for Feder	al or State office use)						
APPROVED BY	PERMIT NO.				APPROVAT. DATE			THE PROPERTY OF THE PARTY OF TH
CONDITIONS OF APPROVAL, IF ANY:					ALL BOVAL DATE			
17 1	APPROVED BY		TITI	LE				DATE
17 1	CONDITIONS OF APPROVA	L, IF ANY:						OC1 1 e 1919
A SA A A A A A A A A A A A A A A A A A	121				•	•		

U. S. GEOLOGICAL SURVEY

#### OIL CONSERVATION DIVISION

#### STATE OF NEW MEXICO NERGY AND MINERALS DEPARTMENT

#### P. O. BOX 2088 SANTA FE, NEW MEXICO 8750

Form C-10? Revised 10-1-78

SANTA FE, NEW MEXICO 87501

		All distances must be fro	m the cuter boundaries	of the Section.	
Operator			Lease	(97 979-(6)	Well No.
EL PASO NATUR	AL GAS COM	PANY	VAUGHN	(SF-079266)	32
Unit Letter Sect	lion	Township	Range	County	
I	9	26N	6W	Rio Arriba	
Actual Footage Location			<b>.</b>		
1530 <sub>fee</sub>	et from the Sou		<del></del>	feet from the West	line
Ground Level Elev. 6462	Producing For Dak		Pool Basin	Dakota	Dedicated Acreage: 320.00Acres
2. If more than controls and re-	one lease is by alty).	dedicated to the we	ell, outline each and	il or hachure marks on the identify the ownership the	ereof (both as to working
dated by comm	No If a	mitization, force-poonswer is "yes;" type	ling. etc?	e actually been consolida	
this form if nee No allowable v	cessary.) vill be assign	ed to the well until a	ll interests have be	e actuary been consolidated (by common such interests, has been	nunitization, unitization,
**************************************					CERTIFICATION
SF-C	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ec.		tained her best of my	ertify that the information con- ein is true and complete to the knowledge and belief.  Jusco  illing Clerk  Paso Natural Gas  tober 11, 1979
14501	1530 Blu	29 ICH	0011000	shown on notes of under my is true of knowledg	certify that the well location this plar was plotted from field actual surveys made by me or supervision, and that the same and correct to the best of my e and belief.  22, 1979  Professional Engineer Curveyor
0 330 660 90	1320 1650 19	80 2310 2640 2	000 1500 1000	Fred	B. Kerr Jr.

## Unorthodox USGS

### EIPEED NATURAL GAS

Р. О. Докуме В АВШИСТОВ, ВЕКЕМЕ В СОЗДАРД РИОВЕ (ВОСЕМЕНТ)

Well Name Vaugha # 32	
Location 5 W 99 26-6	· .
Formation Da K	
	•
We, the undersigned, have inspected this location.	on and road.
U. S. Forest Service	Date
Archaeologist aufor	10/3/79
	Date /
Bureau of Indian Affairs Representative	Date
Bureau of Land 1994 Mailer	10/3/39
Bureau of Land Management Representative	Date 
U./S. Geological Survey Representative - AGREES TO THE FOOTAGE LOCATION OF THIS WELL. REASON: No less than 300' from existing well Eq Vertical wall ac	Date
Seed Mixture:	
Equipment Color: Brown	
Road and Row: (Same) or (Separate)	
Remarks:	



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

#### Multi-Point Surface Use Plan Vaughn #32

- 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 Tapacito Water Hole.
- 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 rolling hills with pinon and juniper 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 - Vaughn #32

I. Location: 1530'S, 1450'W, Section 29, T-26-N, R-6-W, Rio Arriba County, NM

Field: Basin Dakota

Elevation: 6462'GL

#### II. Geology:

A. Formation Tops:	Ojo Alamo Kirtland	San Jose 1927' 2179'	Menefee Point Lookout Gallup	4373' 4868' 6006'
		2179' 2417' 2650' 2757'		

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:	Hole Size	Depth	Csg.Size	Wt.&Grade
	13 3/4"	200 <b>'</b>	9 5/8"	36.0# K-55
	7 7/8"	7270 <b>'</b>	4 1/2"	10.5#&11.6# 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 5368' and tool for third stage at 2857'. 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: 7270' 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: 10" 3000 x 9 5/8" casing head, 10" 3000 x 6" 3000 xmas tree.

#### V. Cementing:

Surface casing (13 3/4" x 9 5/8") - use  $\pm 40$  sks. of Class "B" cement with 1/4# gel-flake per sack and 3% calcium chloride (165 cu.ft. of slurry, 100% excess to circulate). WOC 12 hours. Test to 600#/30 min.

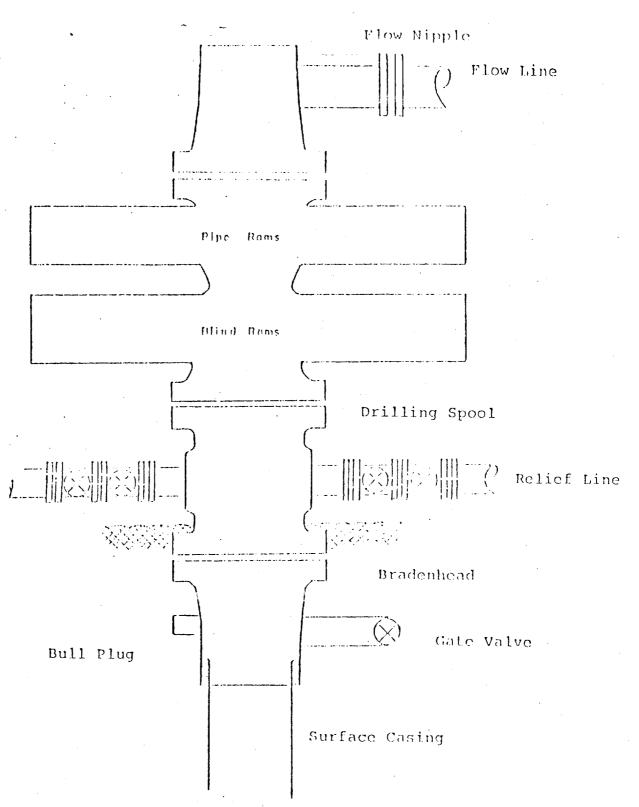
#### V. Cementing, cont'd.

Production casing -  $(7 7/8" \times 4 1/2")$ 

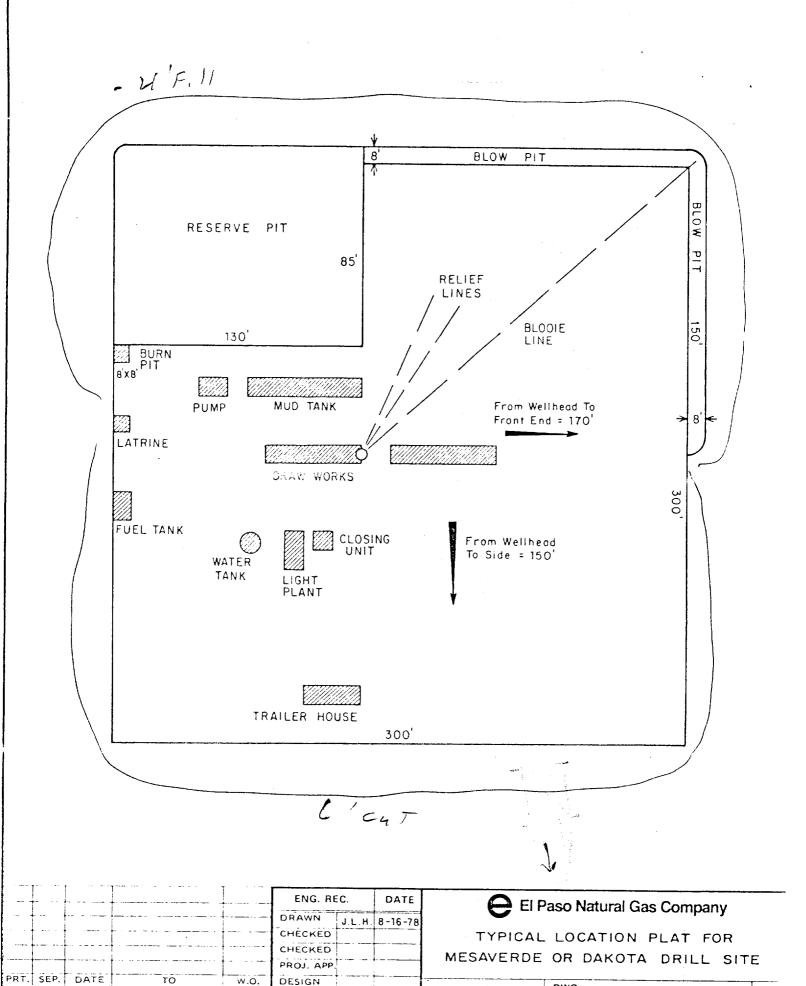
First stage - use 194 sks. of 65/35 Class "B" Pozmix with 6% gel and 2% calcium chloride mixed with 8.3 gallons water per sack followed by 100 sks. 50/50 Class "B" Pozmix with 2% gel, 2% calcium chloride and 1/4# fine tuf-plug per cu.ft. (432 cu.ft. of slurry, 50% excess to cover the Gallup).

Second stage - circulate mud for 2 hours, then cement with 246 sks. of 65/35 Class "B" Pozmix with 6% gel and 2% calcium chloride and 8.3 gallons of water per sack (399 cu.ft. of slurry, 60% excess to cover the Mesa Verde).

Third stage - circulate mud for 2 hours, then cement using 209 sks. Class "B" Pozmix with 6% gel and 2% calcium chloride mixed with 8.3 gallons water per sack (339 cu.ft. of slurry, 60% excess to fill to base of Ojo Alamo). Run temperature survey on top stage only at 8 hours. WOC 18 hours.



Series 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.



DWG.

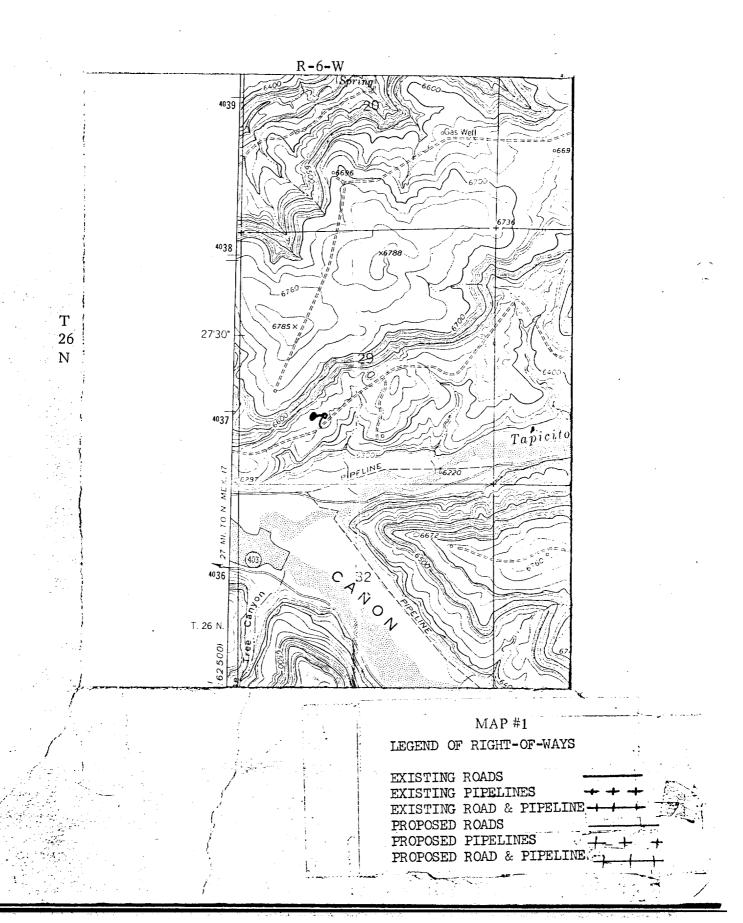
NO.

SCALE: 1" = 50"

PRINT RECORD

REV.

#### EL PASO NATURAL GAS COMPANY Vaughn #32 SW 29-26-6



# EL PASO NATURAL GAS COMPANY Vaughn #32 - SW 29-26-6 R - 6 - W

				·		
	11/2000	OC. E. Mead Coulky is	Coulkins	SE CAURINE SECHO	Coulkins czung Mesa Ast. Caulkin	_
	BAT - ELVACE	11 Qu 49 34 24 25	51,		75 862 PD 19 04(HO)	3
		7 7 7 5	10 7 P			-
	20//	Scott	0-th c		2State A Federal	
	<b>₩</b>	1 200	585	3 وهي	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
.		S91 61 D -Q1	the Cart	<b>35°</b>	Caulking	
. [	" * * * * * * * * * * * * * * * * * * *	ch 779 104	9 /	609 p		
.	T > 0	Scarch: 5 G	BreechE	B Breach "F"	· · · · · · · · · · · · · · · · · · ·	
- I	Rincen 6	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	629 Caulkins .	Caulking	State Com Breech	
E.	Coulkins 123	GEB CAUIKINS	Caulkins	Caulking 136 1340 135 136 135 4 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	Caulking Caulking	1
- 1	O ISI	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		***	7 137 140 X 141 141 154 154 154 154 154 154 154 154	
I	Ψι~ν					
	<u>_</u>	8 175	677	G 10	Parcech D   2	
	7 172	l ¾⊹	619	131 642 183	1 665	
1	<b>,</b> 77, 196	173 G75 0 P	\$ 17 20 L	101 y	D 3 189	
- }	193	1 4	1	Breach a	1 7 212 1 3	
- 1	L/CU (0.6)	Breech A	Breech A 0	Bracchia	Breech 'D" Breech'c	
. <u> </u>	Breech B Coulkins 226	Caulkins	Caulkins	Caulkins		-
. 1,	250 Op	129 (Ma) 264	(25 A.)	A CONTRACTOR	241 245 247 24 P P O O	Ž
	(Fa) (Pa)	. (6.91	2. 30°	F 5	# # # P 0 €	
	(4¢) (D)	Breech'A	16 5	Brooch 0		
]	. 18		16 D State Com	15R E Mate	R.E. Mead 3	
		0 ° (Pc-0	\$ 3.6	257 1.A	P 44 500	
	312	3 ₩		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1 301 TO 301	
	" <b>≱</b>	D PM	State A K-8	Ruster Scott	<b>*</b>	
• 4	Breech	EPNG Cooking	Coulkins	Coulkins 346	Breech C" Scott Breech	į
	esa Pet. EPNG	27.114	Chin Chapter	\$\$ \$\$.5	Mesi Pet EPNG Cealking EPN	
0		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	(MD) (MD) (MD) (MD) (MD) (MD) (MD) (MD)		The state of the s	
	2.	مدنون	Propriech D	Reuter	- Auson Asia	
स्	19 See 19 9	20~~~~	Mess At 21	22	EFING Mesorat	
	PXG Mess Pet	\ a \\			1	
}		\$ 24 (00)	3.63(Pc)	38 F (PC) 38 7(PC)	\$ \text{\$\beta\$}	
}			Scottwad) Ouble			
ļ	eams Buttrem	Senaha 3A	EPHG /	Breech D	Reams Bottram Sanctes Rolms	,
ľ	FPNG	18 4c	25 6 15	1 12 12	EPHG Chukins EPNG	i
H		18 (Pc)		23 19	25443	
- [3				<b>69</b> , %		
1 '	P <b>\</b> \Z \ 1	/ 29	28	27	26 25-273	
1.	A30 / 1100	30°C)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	So(PC)		
		11 0.2% W		_ക്:`* I	1 462 / 1	
<b>-</b>		Tru	APAK 200	و و و و و و و و و و و و و و و و و و و	The state of the s	
- 1	D'OIS	COLLOS	VOUGITIT K	Vaughn	Vougha Seneme Selve	
-	E NG A		EPNG	FENG Y	Getty Fine	
	47 8°c	3(10)	יורר)	15	2 Gould 1	
1	ALL KIRIDA	_ / &		60 10 TE 24 10 1	Washington And American	
	Fields Com	S. A. J. Share Schriston	1 6 76 1 3	( " آلان	c Williams B	
1	Merrion & Boyless	So. Pet Sewerrione	33	. 34	Carter Messo 6	
	Te 🛱	** \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1 後 1	18 (%)		
	I''	Les ILES	1° 6 %	₹5° °	CT 029/ 100 100	
L	Fields	physica St. Atlentic	Klein	Klein	Klain Johnston A Com	
	:			·	TOUR STORY COVY	

MAP #2

Proposed Location