State of New Mexico Energy, Minerals & Natural Resources Department

Form C-104 Revised February 10, 1994

District II

20 Drawer DD, Artesia, NM 88211-0719

Distract III

OIL CONSERVATION DIVISION Submit to Appropriate District Office PO Box 2088 OFFICE ON DIVISION 5 Copies

Instructions on back

000 Ric Braze District IV O Box 2088, S		-	rF	OR AI	Santa I	•					о ой 16 тг			ENDED REPO	RT
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III. Oil a	nd Gas	Transpo	rtei	rs		·									
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* I hereby certify that the rules of the Oil Conservation Division have been complied						II C	MCEDVA	TION	DIVI	CION					
with and that the information given above is true and complete to the best of my knowledge and belief. Signature: Approved by:															
Printed name: BILL R. KEATHLY Title: SUPERVISOR DISTRICT #3				#3											
Title: SI		ULATORY						Appro	wai Date:		FEB 1	7 199	5		
Date:		2 5–95		Phone:		86-5	<u></u>								_
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Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED Budget Bureau No. 1004-0135

BUREA	UDF LAND MANAGEMENT	Expires: March 31, 1993
OIL CONSER.	TICES AND REPORTS ON WELLS	6. Lease Designation and Serial No.
SUNDRY NO	TICES AND REPORTS ON WELLS	SF078500A
Do not use this form for -prφp	possible to drill or to deepen or reentry to a different reservoir. ATION FOR PERMIT - " for such proposals	6. If Indian, Allottee or Tribe Name
GODANIAFFEIC	ATION FOR PERIVIT - Tot such proposais	
	770 H. 1. 1.	7. If Unit or CA, Agreement Designation
	670 V	
1. Type of Well		
Oil Ges Other		8. Well Name and No. San Juan 28-7NP 68
2. Name of Operator Amoco Production Company	Attention:	0411 04411 20 7111
3. Address and Telephone No.	Gail M. Jefferson, Rm 194	3003960071
P.O. Box 800, Denver, Colorad	lo 80201 (303) 830-6157	10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or	r Survey Description)	Blanco Mesaverde
990' FNL 1650'FEL	L Sec. 31 T 28N R 7W Unit B	11. County or Parish, State
990 FNC 1650 FE	. Sec. ST 1 ZON N /W OHILD	Rio Arriba New Mexi
12 CHECK APPROPR	IATE BOX(s) TO INDICATE NATURE OF NOTI	CE REPORT OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF AC	
	_	
	Abandonment	Change of Plans
Notice of Intent	Recompletion Plugging Back	New Construction Non-Routine Fracturing
Subsequent Report	Casing Repair	Water Shut-Off
Final Abandonment Notice	Altering Cesing Altering Bradenhead Repair	Conversion to Injection
Final Abandonment Notice		Dispose Water Note: Report results of multiple completion on Well Completion or
	<u> </u>	Recompletion Report and Log form. }
	(Clearly state all pertinent details, and give pertinent dates, including estimated date e vertical depths for all markers and zones pertinent to this work.)*	of starting any proposed work . If well is directionally drilled, give
	is well was completed as follows: MIRU 2/9/95. set tbo	g plug at 4100', blew down tbg. Set pkr 1
joint deep, bradenhead blew	down immediately. TOH w/tbg & pkr, set rbp at 2005'	and pres test csg to 1000#'. Csg held press
	communication w/bradenhead TOH w.RBP . TIH w/tbg s	
	I 2/16/95 32 runs for a total of 72 bbls recovered, flow s). 2/17/95 BH = 0, Csg = 350 psi, u nseat BP and T O	
66.5 DDIS, LIN = 11 1/2 DDIS		TO A SECOND CONTRACTOR OF BUILDING
	man, series of the series of t	
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	Free Section .	
		사용을 즐겁게 되었다. 전문 10 - 12 - 12 - 12 - 12 - 12 - 12 - 12 -
		The Control of the Co
14. I hereby certify that the foregoing is true and	correct	
Signed	Fitte Busine	ess Assistant Date 03-03-1995
(This space for Federal or State office use)	400	ACCEPTEDFORRECORD
		ACCEPTED FOR WEGG
Approved by	Title	
Approved by Conditions of approval, if any:	Title	
Conditions of approval, if any:	Title For any person knowingly and willfully to make to any department or agency of the Uction.	MAR 0 8 1995

Form 3160-5 (June 1990)

representations as to any matter within its jurisdiction.

UNITED STATES

	FURI	M APPK	OAF	Ü	
n. k.	Budget Bure	eau No.	100	4-013	š
ИC	Expires:	March	31,	1993	

BUREAU OF LAND	MANAGEMENT L CONSERVATION BY	V SION Expires: March 31, 1993
SUNDRY NOTICES AND	REPORTS ON WELLS	lro .
Do not use this form for proposals to drill or to	*** ms : 1/ with n	
Use "APPLICATION FOR PERI	,	8. If Indian, Allottee or Tribe Name
		7, If Unit or CA, Agreement Designation
1. Type of Weil Oil Gas Other		8. Well Name and No.
2. Name of Operator	Attention:	San Juan 28-7 NP 68
AMOCO PRODUCTION COMPANY	Gail Jefferson Room 1942	9. API Well No.
3. Address and Telephone No.		3003960071
P.O. Box 800, Denver, Colorado 80201	(303) 830-6157	10. Field and Pool, or Exploratory Aros
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)		Blanco Mesaverde
	04 T 00U D TW	11. County or Parish, State
990' FNL 1650'FEL Sec.	. 31 T 28N R 7W Unit B	Rio Arriba New Mexico
	TO INDICATE NATURE OF NOTICE, F	REPORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
	Abendonmont	1
Notice of Intent	Recompletion	Change of Plans New Construction
	Plugging Back	Non-Routine Fracturing
Subsequent Report	Casing Repair	Water Shut-Off
Final Abendonment Notice	Altering Casing Other Bradenhead Repair	Conversion to Injection
Luta Von Manda Lance		Dispose Water ort results of multiple completion on Well Completion or
Describe Proposed or Completed Operations (Clearly state all pertinent subsurface locations and measured and true vertical depths for all me Amoco proposes to perform a Bradenhead re	rkers and zones pertinent to this work.)*	
14. I hereby certify that the foregoing is true and correct Signed	Title Business Ass	APPROVED AFEB 13 1995
Consider of Sprotes, if Sit:	•	TEB TA (222
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly as	nd willfully to make to any department or agency of the United State	- AMERICA MANAGED

SJOET Well Work Procedure

SJ 28-7 #68

SDFED 10 11112: 58

070 F. 2.1. H.1

Version:

#1

Date:

February 9, 1995

Budget:

DRA

Repair Type:

Bradenhead

Objectives:

- Test wellhead for seal leak, if no leak found continue with procedure as outlined. 1.
- Casing will be pressure tested..
- CBL will be run to determine top of cement
- Remedial cementing will be performed to insure zonal isolation. 4.
- Return well to production

Pertinent Information:

Location:

990' FNL, 1650' FEL, S31, T28N, R7W

Horizon:

ΜV

Kwartin

County:

Rio Arriba **New Mexico** API #:

300-39-60071

State: Lease:

SF-078500

Engr:

H--(303)343-3973

Well Flac:

Phone:

W-(303)830-5708

P--(303)553-6332

Economic Information:

APC WI:

0%

MV Prod. Before Repair:

200 MCFD

Conoco WI:

100%

MV Anticipated Prod.:

200 MCFD

Estimated Cost:

\$42,500

Pavout:

Note:

*Note:

6 YEARS

Max Cost -12 Mo. P.O.

NA

Nacimento:

Formation Tops: (Estimated formation tops)

Menefee:

Economics will be run on all projects that have a payout exceeding ONE year.

4213'

Oio Alamo:

Point Lookout:

4684'

Kirtland Shale:

2049'

Mancos Shale:

4853'

Fruitland:

Gallup:

Pictured Cliffs: Lewis Shale:

2485'

Graneros: Dakota:

Cliff House:

4149'

Morrison:

Bradenhead Test Information:

Test Date:

335 psi

BH:

Time

7/6/94

Tubing:

331 psi

Economics run based upon 200 MCFD production vs 0 MCFD.

Casing:

335 psi

BH

137

CSG

INT

CSG

5 min 156

10 min 148

Comments:

15 min

Bradenhead has steady flow of gas.

SJ 28-7 #68 Orig. Comp. 4/57 TD = 4872', PBTD = 4835' Page 2 of 3

- 1. Contact Federal or State agency prior to starting repair work.
- 2. Catch gas and/or water sample off of bradenhead and casing, and have analyzed.
- 3. Install and/or test anchors.
- 4. MIRUSU. Check and record tubing, casing and bradenhead pressures.
- 5. Blow well down, kill well if necessary with 2% KCL.
- 6. Nipple down well head, nipple up and pressure test BOP's.
- 7. Trip in the hole and tag PBTD, check for fill, trip and tally out of hole with tubing checking condition of tubing.
- 8. Trip in the hole with bit and scraper for the intermediate casing and trip in to the top of the liner. Trip out of the hole with bit and scraper. Trip in hole with second bit and scraper and run from the top of the liner to the top of the perforations. A seating nipple and standing valve may be run in order to pressure test the tubing.
- 9. Trip in the hole with RBP and PKR. Set RBP 50-100 ft. above perforations. Trip out of hole one joint and set PKR and pressure test RBP to 1500 psi. Release PKR, spot sand on RBP and pressure test csg to 1000 psi. If no leak is found, trip out of hole with PKR and skip to step 11.
- 10. Trip out of hole isolating leak in liner, if any. If a liner leak is found, establish injection rate and check for circulation around liner top. Also, determine if there is a leak above the top of the liner. Trip out of hole with PKR.
- 11.Determine from well file and history, the interval a CBL needs to be run between the RBP and the surface. If a CBL is needed, run CBL over the interval necessary under 1000 psi and report results to Denver. Different size CBL tools may be required in the liner versus the intermediate casing.
- 12.If there are no casing leaks, skip to step 14.
- 13.If there is a leak in the liner <u>and</u> a leak above the top of the liner, trip in hole with a RBP that fits the liner and a PKR that fits the intermediate casing. Set RBP 30-60' below the top of the liner. Release PKR and trip out of hole isolating leak in the intermediate casing.
- 14.Based on the location of the leak, if any, and the results of the CBL, perforate casing if necessary with 4 JSPF and circulate dye if possible to determine cement volume. Depending on the depth of the hole and circulating pressure, a PKR or a cement retainer may be needed.
- 15.Mix and pump sufficient cement (class B or equivalent with two hour setting time) to circulate to surface, if circulation to surface is possible. Shut bradenhead valve and attempt to obtain a squeeze pressure and WOC.
- 16. Trip out of hole. Trip in the hole with bit and scraper and drill out cement and pressure test casing. Re-squeeze leaks if casing fails pressure test.
- 17.If cement is not circulated to the surface, it may be necessary to run another CBL (and/or temperature survey 8-10 hours after cementing) and repeat steps 14 thru 16.

sJ 28-7 #68 Orig. Comp. 4/57 TD = 4872', PBTD = 4835' Page 3 of 3

- 18. Trip in the hole with retrieving head for RBP, circulate sand off of RBP and trip out of hole with plug.
- 19.If there is a leak in the liner top, trip in hole with a PKR. If there is no leak in the liner top, skip to step 22.
- 20. Mix and pump sufficient cement (class B or equivalent with two hour setting time) to squeeze liner top. Attempt to obtain a squeeze pressure and WOC.
- 21. Trip in the hole with bit and scraper and drill out cement and pressure test casing. Resqueeze leak if liner top fails pressure test.
- 22. If there is a second RBP in the liner, trip in the hole with a retrieving head, circulate sand off of the RBP and trip out of hole with the plug.
- 23.If there is a leak in the liner or squeeze work is required based on the CBL, perforate casing, if necessary with 4 JSPF. Trip in hole with a cement retainer and set above the leak or perforations.
- 24. Mix and pump sufficient cement (class B or equivalent with two hour setting time) and attempt to obtain a squeeze pressure and WOC.
- 25. Trip in the hole with bit and scraper and drill out cement and pressure test casing. Resqueeze leaks if casing fails pressure test.
- 26. Trip in the hole with retrieving head for RBP set in the liner, circulate sand off of RBP with 2% KCL and trip out of hole with plug.
- 27. Trip in hole with a sawtooth collar and/or bailer and clean out to PBTD and trip out of hole.
- 28. Trip in the hole with the production string (1/2 mule shoe on bottom and a seating nipple one joint off bottom), land tubing to original depth. Nipple down BOP's, nipple up well head.
- 29.Swab well in and put well on production.
- 30. Rig down move off service unit.

If problems are encountered, please contact:

Lara Kwartin

(W) (303) 830-5708 (H) (303) 343-3973

SUBJEC			CHART			2-95
	31 - 28N - Completed) (3 711/2) 	59 By <u> — 2</u> 2	<u> </u>
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149'- 213'- 1684'- 863'-	CLIFF HOUSE & PAINT LOOKOUT .				-	00-4821' 623-4861.
-מסי	MANCOS SHALE			1-5 TO	5 15.5+ C= 4200	623-4864 # 00g- D'TS

Fnar: zrar06

Goco

BRADENHEAD TEST REPORT

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	•						
DATE 7-6-94 OPERA	TOR AMOCO PRODUCTION COMPANY						
Wellname: SAN JUAN 28-7 NP	Well No. 068 Formation: MV						
Section: <u>B31</u> TOWNSHIP: 28N	Range: 07W 070 159 161 161 161						
initial pr	ESSURE (psi)						
Well Status (Circle One) SHUT-IN FLOWING							
No. of Casing Strings (Circle One) TWO (Production and							
**************************************	++++++++++++++++++++++++++++++++++++++						
INSTRUCTIONS FOR TESTING WELLS WITH TWO (2)	CASING STRINGS:						
A. Open bradenhead to atmosphere.	C. Note characteristics of bradenhead flow.						
B. Record casing pressure every 5 minutes.	D. Describe any water flow.						
INSTRUCTIONS FOR TESTING WELLS WITH THREE (
A. Open intermediate casing to atmosphere. R. Record casing and bradenhead pressure every 5 minutes.	E. Open bradenhead to the atmosphere. F. Record casing and intermediate pressures every 5 minutes.						
C. Note characteristics of intermediate flow.	G. Note characteristics of bradenhead flow.						
D. Describe any water flow from the intermediate.	H. Describe any water flow from the bradenhead.						
Shut in intermediate valve.							
PRESSU	RE (psi)						
, , , , , , , , , , , , , , , , , , , ,							
Time Bradenhead Casing	Intermediate Casing						
5 min 15% 328	NA						
10 min 148 321							
15 min 137 3/5							
20 min 733 309							
25 min /28 305							
121	. —						
30 min 19 302							
FLOW CHARACTERISTICS Bradenhead Intermediate	DESCRIBE ANY WATER FLOW						
	Bradenhead Intermediate Clear						
Steady Flow	Fresh						
Surges	Salty						
Down to Nothing	Sulfur						
No Flow	Black						
Water	Muddy						
Gas and Water							
REMARKS:							
Bradented for Steady	(low of gos et es sulling						
Well cosing of tubing 185 D	son while venting gas from						
producted -							
- / - /							

(June 1990)

Approved by

Conditions of approval, if any:

representations as to any matter within its furiediction,

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED

Budget Bureau No. 1004-0135 Expires: March 31, 1993

OU DONSER . JN DIVISION	
SUNDRY NOTICES AND REPORTS ON WELLS. VED	5. Lease Designation and Sarial No. See Below
Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT - " for such proposale: 2 AM 9 53	6, If Indian, Allottee or Tribe Name
	7. If Unit or CA, Agreement Designation
1. Type of Well Oil X Ges Other Well X Well Other	B. Well Name and No.
Attendon Amoco Production Company E. R. Nicholson	See Below 9. API Well No.
2. Address and Telephone No. P. O. Box 800, Denver, Colorado 80201 (303) 830-5014	See Below 10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)	See Below 11, County or Parish, State
See Below	Rio Arriba, NM
12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, R	EPORT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
	Change of Plane New Construction Non-Routine Frecturing Water Shut-Off Conversion to Injection Dispose Water It results of multiple completion on Wall Completion or in Report and Log form. }
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent detae, including estimated date of eterting subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)* Per conversation with Ken an Wayne Townsend this date, due to the low priority of the following wells approval be given to cancel the bradenhead procedures at this time.	, it is requested that
San Juan 28-7 Unit #33 (SF-079290) - Blanco Mesaverde, 800' FNL, 990' FEL, Sec. 13, T28N-R7	W Unit "A", API #30 03907438
San Juan 28-7 Unit #136 (SF-079289) - Basin Dakota, 1650' FSL, 1650' FEL, Sec. 14, T28N-R7W San Juan 28-7 Unit #218 (SF-079289) - Basin Dakota, 1175' FSL, 1540' FWL, Sec. 12, T28N-R7W	V, API #30 039 20 879
San Juan 28-7 NP #68 (SF-078500-A) - Blanco Mesaverde, 990' FNL, 1650' FEL, Sec. 31, T28N-R70	W Unit "B", API #30 039 60071 /
San Juan 28-7 Unit #21 (SF-078497-A) - Blanco Mesaverde, 1080' FSL, 1650' FWL, Sec. 9, T28N-R	7W Unit "N", API #30 039 07449
San Juan 28-7 Unit #241 (SF-078497-A) - Basin Dakota, 1690' FSL, 810' FWL, Sec. 9, T28N-R7W Un	it "L", API #30 039 08100
San Juan 28-7 Unit #242E (SF-078497) - Basin Dakota, 900' FSL, 800' FWL, Sec. 7, T28N-R7W Un	uit "M", API #30 039 22359
San Juan 28-7 Unit #195E (SF-078497) - Basin Dakota, 1050' FNL, 1035' FEL Sec. 16, T28N-R7W,	API #30 039 22361
San Juan 28-7 Unit #61 (SF-079289) - Blanco Mesaverde, 1550' FSL, 1650' FWL Sec. 10, T28N-	R7W Unit "K", API #30 039 07460
14. I hereby certify that the foregoing is true and correct Signed Sk Whoke Title & Man C	anolyst 4-29-93
(This space for Federal or State office use)	ACCEPTED FOR RECORD

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, licitalization and installations as to any matter within its haindestern

orm	3160-5
June	19901

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

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REL: VED

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IN DIV 810 N FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

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SUNDRY NOTICES AND REPORTS ON WELLS MAY 18 Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

6. If Indian, Allottee or Tribe Name

038 APPLICATION FOR	renviri— toi suoii proposais	
'. SUBMIT	IN TRIPLICATE	7. If Unit or CA, Agreement Designation .
1. Type of Well Oil Gas Well Other		8. Well Name and No.
2. Name of Operator Amoco Production Company	Attn: John Hampton	San Juan 28-7 NP #68 9. API Well No.
3. Address and Telephone No. P.O. Box 800 Denver, Co	lorado 80201	30-039-60071 10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey De	escription)	Blanco Mesaverde
990' FNL, 1650' FEL Sec.	Rio Arriba, NM	
ii. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPO	ORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	N .
X Notice of Intent	Abandonment Recompletion	Change of Plans New Construction
Subsequent Report	Plugging Back Casing Repair	Non-Routine Fracturing Water Shut-Off
Final Abandonment Notice	Altering Casing Solber <u>Bradenhead Repair</u>	Conversion to Injection Dispose Water (Note: Report results of multiple completion an Well Completion or Recompletion Report and Log form.)
13. Describe Proposed or Completed Operations (Clearly state a give subsurface locations and measured and true vertically states are subsurface for the proposed of the propos	ill pertinent details, and give pertinent dates, including estimated date of statical depths for all markers and zones pertinent to this work.)*	rling any proposed work. If well is directionally drilled

· Amoco intends to perform the attached workover procedure required to eliminate bradenhead pressure.

In addition, Amoco also requests approval to construct a temporary 15'X15'X 5' blow pit for return fluids. This pit will be reclaimed if utilized, upon completion of this operation.

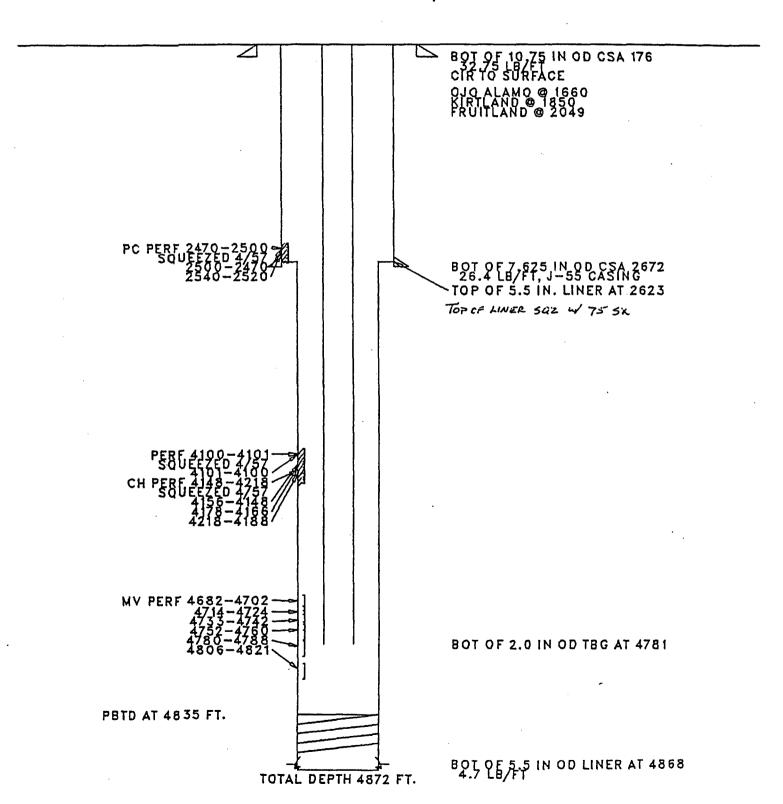
MAR 5 1992

OIL CON. DIV.

Please contact Cindy Burton (303) 830-5119 if you have

4. I hereby certify that the foregoing is true and correct		1-10
Signed Hampton CB	Tide Sr. Staff Admin. Sup	D. MIED 1070 9/2 D
., (This space for Foderal or State office use)		MAR 0.2 1002
Approval by Conditions of approval, if any:	Title	MAR, 0 3 1992
onditions of approval. A say:	A14.000	AREA MANAGER
	NMOCD	

SAN JUAN 28-7 #68 LOCATION, 31B-T28N-R7W DUAL, CH PC MV ORIGINAL COMPLETION 4/57 LAST FILE UPDATE 10/91 BY CSW



Workover Procedure San Juan 28-7 #68 Sec.31-T28N-R07W San Juan County, NM

- 1. Contact Federal or State agency prior to starting repair work.
- Catch gas and/or water sample off of bradenhead and casing, and have analyzed.
- Install and/or test anchors.
- 4. MIRUSU. Check and record tubing, casing and bradenhead pressures.
- 5. Blow well down, kill well if necessary with 2% KCL.
- 6. Nipple down well head, nipple up and pressure test BOP's.
- 7. Trip in the hole and tag PBTD, check for fill, trip and tally out of hole with tubing checking condition of tubing.
- 8. Trip in the hole with bit and scraper for the intermediate casing and trip in to the top of the liner. Trip out of the hole with bit and scraper. Trip in hole with second bit and scraper and run from the top of the liner to the top of the perforations. A seating nipple and standing valve may be run in order to pressure test the tubing.
- 9. Trip in the hole with RBP and PKR. Set RBP 50-100 ft. above perforations. Trip out of hole one joint and set PKR and pressure test RBP to 1500 psi. Release PKR, spot sand on RBP and pressure test csg to 1000 psi. If no leak is found, trip out of hole with PKR and skip to step 11.
- 10. Trip out of hole isolating leak in liner, if any. If a liner leak is found, establish injection rate and check for circulation around liner top. Also, determine if there is a leak above the top of the liner. Trip out of hole with PKR.
- 11. Determine from well file and history, the interval a CBL needs to be run between the RBP and the surface. If a CBL is needed, run CBL over the interval necessary under 1000 psi and report results to Denver. Different size CBL tools may be required in the liner versus the intermediate casing.
- 12. If there are no casing leaks, skip to step 14.

- 25. Trip in the hole with bit and scraper and drill out cement and pressure test casing. Re-squeeze leaks if casing fails pressure test.
- 26. Trip in the hole with retrieving head for RBP set in the liner, circulate sand off of RBP with 2% KCL and trip out of hole with plug.
- 27. Trip in hole with a sawtooth collar and/or bailer and clean out to PBTD and trip out of hole.
- 28. Trip in the hole with the production string (1/2 mule shoe on bottom and a seating nipple one joint off bottom), land tubing to original depth. Nipple down BOP's, nipple up well head.
- 29. Swab well in and put well on production.
- 30. Rig down move off service unit.

- 13. If there is a leak in the liner <u>and</u> a leak above the top of the liner, trip in hole with a RBP that fits the liner and a PKR that fits the intermediate casing. Set RBP 30-60' below the top of the liner. Release PKR and trip out of hole isolating leak in the intermediate casing.
- 14. Based on the location of the leak, if any, and the results of the CBL, perforate casing if necessary with 4 JSPF and circulate dye if possible to determine cement volume. Depending on the depth of the hole and circulating pressure, a PKR or a cement retainer may be needed.
- 15. Mix and pump sufficient cement (class B or equivalent with two hour setting time) to circulate to surface, if circulation to surface is possible. Shut bradenhead valve and attempt to obtain a squeeze pressure and WOC.
- 16. Trip out of hole. Trip in the hole with bit and scraper and drill out cement and pressure test casing. Resqueeze leaks if casing fails pressure test.
- 17. If cement is not circulated to the surface, it may be necessary to run another CBL (and/or temperature survey 8-10 hours after cementing) and repeat steps 14 thru 16.
- 18. Trip in the hole with retrieving head for RBP, circulate sand off of RBP and trip out of hole with plug.
- 19. If there is a leak in the liner top, trip in hole with a PKR. If there is no leak in the liner top, skip to step 22.
- 20. Mix and pump sufficient cement (class B or equivalent with two hour setting time) to squeeze liner top. Attempt to obtain a squeeze pressure and WOC.
- 21. Trip in the hole with bit and scraper and drill out cement and pressure test casing. Re-squeeze leak if liner top fails pressure test.
- 22. If there is a second RBP in the liner, trip in the hole with a retrieving head, circulate sand off of the RBP and trip out of hole with the plug.
- 23. If there is a leak in the liner or squeeze work is required based on the CBL, perforate casing, if necessary with 4 JSPF. Trip in hole with a cement retainer and set above the leak or perforations.
- 24. Mix and pump sufficient cement (class B or equivalent with two hour setting time) and attempt to obtain a squeeze pressure and WOC.

Submit 5 Copies
Appropriate District Office
DISTRICT 1
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II P.O. Drawer DD, Anesia, NM 88210

OIL CONSERVATION DIVISION

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

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-104 Revised 1-1-89 See Instructions at Bottom of Page

1

DIV.

DISTRICT III 1000 Rio Brazos Rd., Aziec, NM 87410 REQUEST FOR ALLOWABLE AND AUTHORIZATION

I.	7	O TRANS	SPORT OIL	_ AND NA	TURAL G	AS		NUL	1 1 4 19
Operator Amoco Production Con						Well	API No. 960071		
Address						5003	900071		ISERVATIO SANTA FE
1670 Broadway, P. O. Reason(s) for Filing (Check proper box	·	Denver	, Colorad		es (Please expl	lain)			W/11/11
New Well Recompletion Change in Operator	Oil	Change in Tra Dr Gas Co	y Gas	<u>.</u>		,			
Caluman of manufacture aims annua	nneco Oil			Willow,	Englewoo	d, Colo	rado 80	0155	
I. DESCRIPTION OF WEL									
Lease Name SAN JUAN 28-7 UNIT N		Well No. Po	ol Name, Include ANCO (MES			FEDE	RAL	- 1	ase No. 3500A
Location Unit LetterB	. 990	Fe	et From The	L Lin	e and 1650	Fo	et From The	FEL	Line
Section 31 Town	ship 28N		nge7W		мрм,	RIO A			County
II. DESIGNATION OF TRA	NSPORTE	OF OIL	AND NATU						
Name of Authorized Transporter of Oil CONOCO		or Condensate	لكا	P. O. BO	X 1429,	BLOOMFI	ELD, NM		
Name of Authorized Transporter of Ca EL PASO NATURAL GAS (or	Dry Gas X	Address (Giv	X 1492,	hich approved EL PASO	copy of this f	form is to be se 1978	nt)
If well produces oil or liquids, tive location of tanks.	Unit	Soc. Tw	vp. Rge.	is gas actuali		When			
f this production is commingled with the V. COMPLETION DATA	at from any othe	r lease or poo	l, give comming	ling order num	ber:				
Designate Type of Completic	on - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded		. Ready to Pro	xd.	Total Depth	l	.L	P.B.T.D.	J	. I
Elevations (DF, RKB, RF, GR, etc.)	Name of Pro	xhicing Forms	ution	Top Oil/Cas	Pay		Tubing Dep	жh	
Perforations				1			Depth Casin	ng Shoe	
	71	JBING, CA	ASING AND	CEMENTI	NG RECOR	LD .			
HOLE SIZE	CAS	ING & TUBI	NG SIZE		DEPTH SET	· 	<u> </u>	SACKS CEM	ENT
	_								
				<u> </u>					
V. TEST DATA AND REQU DIL WELL (Test must be afti				he equal to or	exceed top all	owable for the	s denth or be	for full 24 how	rs.)
Date First New Oil Run To Tank	Date of Test				ethod (Flow, p			<u></u>	
Length of Test	Tubing Pres	anus		Casing Pressure			Choke Size		
Actual Prod. During Test	Oil - Bbls.			Water - Bbis. Gas- MCI			Gas- MCF		
GAS WELL				J			J		
Actual Prod. Test - MCF/D	Length of T	est		Bbls. Conder	sate/MMCF		Gravity of	Condensate	
esting Method (pitot, back pr.)	sting Method (pitot, back pr.) Tubing Pressure (Shut-in)			Casing Presu	ure (Shut-in)		Choke Size		
I. OPERATOR CERTIF						JCEDV	ΔΤΙΩΝ	DIVISIO	
I hereby certify that the rules and re Division have been complied with a is true and complete to the best of a	nd that the inform	nation given a				M			/ I ¥
111	7			Date	Approve		AY 08 19		·
Signature Signature	nglon			Ву_		3-43		<u> </u>	
J. L. Hampton Printed Name	Sr. Staff	Tin	le -	Title		UPERVIS	ion dis	TRICT#	3
Janaury 16, 1989		303-830 Telepho		'"'					

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C 104 must be filed for each pool in multiply completed wells.

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECE	IVED	
DISTRIBUTION	ı	
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	
TRANSPORTER	GAS	
OPERATOR		
PRORATION OFFICE		

OIL CONSERVATION DIVISION P.O. BOX 2088 SANTA FE, NEW MEXICO 87501

Form C-104 Revised 10-01-78 Format 06-01-83 Page 1

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

AUTHORIZATION TO TRANSP	ORT OIL AND NATURAL GAS
Operator	
Tenneco Oil Company -	
Address	907.02 pts
P.O. Box 3249, Englewood, CO 80155	
Reason(s) for filling (Check proper box)	Other (Please explain)
New Well Change in Transporter of:	
Recompletion Uil Ury Gas	
Change in Ownership	
If change of ownership give name	D.O. Day 4000 Familiantan 800 07400
and address of previous owner <u>FI Paso Natural Gas Company</u>	, P.O. Box 4990, Farmington, NM 87499
II. DESCRIPTION OF WELL AND LEASE	
Lease Name Well No. Pool Name, Including Format	tion Kind of Lease Lease No. State, Federal or Fee USA
SJ 28-7 Unit NP 68 Blanco-MV	SF 078500-
Location	
Unit Letter B: 990 Feet From The Nort	h Line and 1650 Feet From The East
Lieu of Castina a 4 Tournship a 2 2	Range 71.1 , NMPM, Dio Appriler County
Line of Section 31 Township 28N	7W NAMPM, Rio Arriba County
III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS	
Name of Authorized Transporter of Oil □ or Condensate □	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas G or Dry Gas C	Address' (Give address to which approved dop) of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas 🗆 ** or Dry Gas 🖸 ** X	Address (Give address to which approved dopy of this form is to be sent)
El Paso Natural Gas Company Sec. Twp. Rge.	Box 4990, Farmington, NM 87499
If well produces oil or liquids,	1 Viter
give location of tanks.	Yes
If this production is commingled with that from any other lease or pool, give commingling order number_	
NOTE: Complete Parts IV and V on reverse side if necessary.	
WI OFFICIALTE OF COLUMN IN LOS	
VI. CERTIFICATE OF COMPLIANCE	OIL CONSERVATION DIVISION
I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.	APPROVED , 19
	BY
	TITLE SEASON NATION OF A
Soft VI = Kynny	THEE
(Signature)	This form is to be filed in compliance with RULE 1104.
Sr. Regulatory Analyst	If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.
nct 1 1985 (IIII)	All sections of this form must be filled out completely for allowable on new and recompleted wall:
001 1 1303	Fill out only Section I, II, III, and VI for changes of owner, well name and or number, or transporte or other such change of condition.
(Date)	

Separate Forms C-104 must be filed for each pool in multiply completed wells.

IV. COMPLETION DATA

n — (X)	Oil Well	Gas Well	i New Well	Workover	i Deepen	i Plug Back I I	Same Res'v.	Diff. Res.'v
Date Com	pl. Ready to Prod.	i	Total Depth	<u> </u>	<u> </u>	P.B.T.D.		
ns (DF, RKB, RT, GR, etc.) Name of Producing Formation Top Oil/Gas Pay				Pay	Tubing Depth			
					 	Depth Casing	Shoe	
	TUBING	a, CASING, A	ND CEMENTI	NG RECORD)			
	CASING & TUBI	NG SIZE		DEPTH SE	T		SACKS CEME	NT
	· · · · · · · · · · · · · · · · · · ·							·
FOR ALLOV	NABLE OIL V	VELL	(Test must be depth or be fo	after recovery of to	otal volume of loa	ad oil and must be e	qual to or exceed	top allowable for
,		 	- , · · · · · · · · · · · · · · · · · · 		gas lift, etc.)	,		
Tubing Pre	essure		Casing Pressure			Choke Size		
Oil - Bbis.			Water - Bbls.			Gas - MCF		
I	11 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -							
T			1 200					
Length of	Test		Bbls. Conder	nsate/MMCF		Gravity of Co	ndensate	
1			L .			I		
	FOR ALLOV Date of Te Tubing Pre	Date Compl. Ready to Prod. Name of Producing Formatio TUBING CASING & TUBI CASING & TUBI Date of Test Tubing Pressure	Date Compl. Ready to Prod. Name of Producing Formation TUBING, CASING, A CASING & TUBING SIZE FOR ALLOWABLE OIL WELL Date of Test Tubing Pressure Oil - Bbls.	Date Compl. Ready to Prod. Date Compl. Ready to Prod. Total Depth Top Oil/Gas TUBING, CASING, AND CEMENTS CASING & TUBING SIZE FOR ALLOWABLE OIL WELL Date of Test Tubing Pressure Casing Press Oil - Bbls. Water - Bbls.	Date Compl. Ready to Prod. Date Compl. Ready to Prod. Total Depth Top Oil/Gas Pay TUBING, CASING, AND CEMENTING RECORD CASING & TUBING SIZE DEPTH SE TOP OIL/Gas Pay TUBING CASING, AND CEMENTING RECORD CASING & TUBING SIZE DEPTH SE Total Depth Top Oil/Gas Pay Test must be after recovery of the depth or be for full 24 hours) Producing Method (Flow, pump, Tubing Pressure Casing Pressure Oil · Bbls. Water · Bbls.	Date Compl. Ready to Prod. Total Depth Tubing, CASING, AND CEMENTING RECORD CASING & TUBING SIZE DEPTH SET Total Depth Tubing Pressure Total Depth Total	Date Compt. Ready to Prod. Date Compt. Ready to Prod. Total Depth Top Oil/Gas Pay Tubing Depth Depth Casing TUBING, CASING, AND CEMENTING RECORD CASING & TUBING SIZE DEPTH SET TOTAL COMPTION OF THE PRODUCT O	Date Compl. Ready to Prod. Date Compl. Ready to Prod. Total Depth P.B.T.D. Total Depth P.B.T.D. Tubing Depth Depth Casing Shoe TUBING, CASING, AND CEMENTING RECORD CASING & TUBING SIZE DEPTH SET SACKS CEME TOTAL COMPLETED SACKS CEME TOTAL COMPLETED SACKS CEME TOTAL COMPLETED SACKS CEME Total Depth Depth Casing Shoe TUBING, CASING, AND CEMENTING RECORD CASING & TUBING SIZE DEPTH SET SACKS CEME Total Depth Depth Casing Shoe Total Depth Cas

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-	DISTRIBUTION SANTA FE		CONSERVATION COMMISSION FOR ALLOWABLE	Form C-104 Supersedes Old C-104 and C-1
	U.S.G.S.	AUTHORIZATION TO TR	AND ANSPORT OIL AND NATURAL G	Effective 1-1-65
	TRANSPORTER OIL GAS	MAIN 65 Nov		
1.	OPERATOR PROPATION OFFICE			
1.	Operator El Paso NaturalGas Co	mnany		
	Address	mp-wa2j		,
	Reason(s) for filing (Check proper box		Other (Please explain)	
	New Well	Change in Transporter of: Oil Dry Go	name Change fro	DM.
	Change in Ownership	Casinghead Gas Conde	nsate San Juan 28-7 U	Jnit #68
	If change of ownership give name and address of previous owner			
II.	DESCRIPTION OF WELL AND	LEASE Well No. Pool No	ime, Including Formation	Kind of Lease
	San Juan 28-7 Unit NP		anco Mesa Verde	State, Federal or Fee
	Location Unit Letter B ;	Peet From The	ne andFeet From T	the
	27	28N 7	U Pio Ar	wiha
	Line of Section 31, To	wnship ZO-14 Range (-W , NMPM, RIO AI	County County
III.	Name of Authorized Transporter of Oil El Paso Natural Gas C	ompany	Address (Give address to which approv	ed copy of this form is to be sent)
	Name of Authorized Transporter of Ca El Paso Natural GasCo		Address (Give address to which approv	ed copy of this form is to be sent)
	If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge.	Is gas actually connected? Whe	n
IV.	If this production is commingled wi COMPLETION DATA	th that from any other lease or pool,	give commingling order number:	
	Designate Type of Completic	on - (X) Gas Well	New Well Workover Deepen	Plug Back Same Res'v. Diff. Res'v
	Date Spud-led	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
	Pool	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
	Perforations			Depth Casing Shoe
		TUBING, CASING, AN	D CEMENTING RECORD	
	HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
V.	TEST DATA AND REQUEST F		ifter recovery of total volume of load oil a	ind must be equal to or exceed top allow
	OIL WELL Date First New Oil Run To Tanks	able for this de	epth or be for full 24 hours) Producing Method (Flow, pump, gas lift	e, etc.)
	Length of Test	Tubing Pressure	Casing Pressure	Choke Size
	Actual Prod. During Test	Oil-Bbls.	Water - Bbls.	Gas-MCH 33
				OCT 1 3 1965
	GAS WELL			OIL CON. COM.
	Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Continues if 3
	Testing Method (pitot, back pr.)	Tubing Pressure	Casing Pressure	Choke Size
VI.	CERTIFICATE OF COMPLIAN	CE	OIL CONSERVA	TION COMMISSION
	I hereby certify that the rules and	regulations of the Oil Conservation with and that the information given	APPROVED NOV 1 1965	<i>/</i> , 19
	above is true and complete to the	e best of my knowledge and belief.	BY Ellery & Clewlf	
	CAA	\mathcal{O}	TITLE Supervisor Dist. #	3
١	2) (V) se	ly	This form is to be filed in c	ompliance with RULE 1104. able for a newly drilled or deepened
	Petroleum Engineer	pature)	well, this form must be accompantests taken on the well in accord	ied by a tabulation of the deviation lance with RULE 111.
	October 12, 1965	itle)	All sections of this form mus able on new and recompleted wel	t be filled out completely for allow lls.

(Date)

Fill out Sections I, II, III, and VI only for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply

Supervisor Dist # 3

JOHN TILLERSON
Production Engineer

Addisonable Additional Services (1987) to

OIL CONSERVATION COMMISSION BOX 697 120 EAST CHACO 1977	YN OFFICE OCC
BOX 697	11 8:18
120 EAST CHACO 1987	OT WAS A STATE OF THE STATE OF
AZTEC, NEW MEXICO	R.a.
NOTICE OF GAS CONNECTION	
DATE S	eptember 25, 1957
THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION	CTION FOR THE PURCHASE OF GAS FROM
THE El Paso Natural Gas Company OPERATOR	

El Paso Natural Gas Company NAME OF PURCHASER

_ , FIRST DELIVERY ___September 17

AOF - 923. Choke - 896

WAS MADE ON September 17.

Blanco, Mesa Verde

Assistant

Chief Dispatcher

CC: TO OPERATOR

OIL CONSERVATION COMMISSION - SANTA FE

F. N. WOODRUFF - EL PASO

B. D. ADAMS

Three States Natural Gas FILE

Form	0_880
ruru	77 - OOU

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	οc			

LEASE OR PERMIT TO PROSPECT

DEPARTMENT OF THE INTERIOR

14-06-001-459

LOG OF OIL OR GAS WELL

Compa	ny	El Paso H	atural (las Compa	Address	Box 997, F	rmingto	n, Nev	Mexico
Lessor	or Tract	San .	Man 28-	7 Unit	Field	Blanco	State	New	<u> Mexico</u>
						P.M. Cou			
Location	on <u>1990</u> i	t. S. of M.	Line ar	nd 165 Ct .	W of E	Line of	ection 3	L Eleva	tion 5933
T	ne informa		erewith is	a complete	e and correct	t record of the w	ell and al	l work d	lone thereon
Date		May 22, 1	957			Title	etroleu	m Engi	near
T	ne summar	y on this pag	ge is for t	he condition	n of the well	at above date.			
Comm	enced drill	ing	1.	-1 9, 19.	57. Finish	ed drilling	13	31	, 1957
				(De	S SANDS O				
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No. 3,	from	4223	. to	1684 - (a-) -	No. 6,	from	to		
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Size	Weight per foot	Threads per	. to	CASI	NG RECOR		Perfor	ated	**************************************
Size	Weight	Threads per inch	Make	Amount	NG RECOR	RD ·	Perfor From-	ated To-	Purpose
Size	Weight	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perfor From—	ated To-	Purpose
Size	Weight	Threads per inch	Make	Amount	Kind of shoe Howco	Cut and pulled from	Perfor	To-	Purpose Siriaca Intermediate Preside Linear
Size	Weight	Threads per inch	Make -S. W	Amount 160' 2004	Kind of shoe Howco Late Company Bakeren	Cut and pulled from Section of the Company of th	Performent of the design of th	To-	Purpose Siriaca Intermediate Preside Linear
Size	Weight	Threads per inch	Make -S. W	Amount 160' 2004	Kind of shoe Howco Late Company Bakeren	Cut and pulled from	Performent of the design of th	To-	Purpose Siriaca Intermediate Preside Linear
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Size	Weight	Threads per inch	Make S. W	Amount 160' 2045'	Kind of shoe HOWCO THE TOTAL OF THE T	Please mate in de la material de la	Perfor From Cod Low old Cod L	To-	Purpose Surface Intelligiate Presdulliner
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Size casing 1.0-3/4 1-15/1/19 5-1-/24 Size casing	Weight per foot 32.75 26.40. 15.50 of 11.7	Threads per inch	Make S.W. 11. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.	Amount 160' 2045' 2047' 2017'	Kind of shoe HOWCO Bakerening Dakerening CEMENTI Method used Lingle sin	Cut and pulled from Recy congress congress possent of the property congress c	Perfor From Cod Low old Cod L	ated To-	Purpose Surface Intelligiate Presdulliner
Size casing 1.0-3/4 1-5/10 5-1/20 Size casing	Weight per foot 32.75 26.40 15.50	Threads per inch	Make S.W. 10. J. 39. 10. J. 39. MUDD or sacks of cell	Amount 160' 2045' 2047' 2017'	Kind of shoe HOWCO HO	Cut and pulled from Recy congress congress possent of the property congress c	Perfor From Cod Low old Cod L	ated To-	Purpose Surface Intelligiate Presdulliner
Size casing 1.0-3/4 7-5/11/2 Size casing 1.0-3/4 7-5/11/2	Weight per foot 32.75 26.40. 15.50 of 11.7	Threads per inch L R R Numb	Make S.W. 11. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.	Amount 160' 2045' 2045' 2047'	Kind of shoe HOWCO HO	Cut and pulled from Cut and pulled from	Perfor From Cod Low old Cod L	ated To-	Purpose Surface Intelligiate Presdulliner

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Size	Shell use	d	Explosive used Q	luantity	Date	Depth shot	Depth cleaned out
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lable tools v	vere used	from	feet to		feet	and from	feet to feet
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		-4-2	, 1957	Put t	o pro	ducing	, 19
The pro	duction	for the fi	rst 24 hours was	bar	rels o	of fluid of which	ch% was oil;%
-			į		1010 0		
emulsion;	% wa	ter; and $_{-}$	\sim sediment.			Gravity, Bé	5
If gas w	zell cu f	t per 24	hours	Gallon	s onsi	oline ner 1.000	cu ft of cas
II gas n	: Ou. 1	por 21	096,000	Guiton	5 5.4 5.	ornic per 1,000	O cu. ft. of gas
Rock pr	ressure, l	lbs. per sq	ı. in912				
			EM	IPLOYEES	3		
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			Driller	i			Driller
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Carological survey DEPARTMENT OF THE INTERIOR UNITED STATES

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				HISTORY	OF (OIL OR G	AS WELL	1 6 4 3094-2 u.	8. GOVERNMENT PRINTING OFFICE
It i	s of the gr	reatest	importance to l	ave a complete	history	of the well.	Please state in	detail the dates	of redrilling, together
"sidetr	acked'' or	left in	the well, give it	s size and locat	ion. If	the well has	been dynamited	, give date, size	and if any casing was , position, and number
of shots	If plugs	or bric	iges were put i	n to test for wat	er, state	kind of mate	erial used, positi	on, and results	of pumping or bailing.
		,			·	•		9:Juil \$4.	<u>,,</u> ,,,,,,
									₩ 2 4; 4733-42;
47	52-60;	4780	-88; 48 06 -	21. Water	Frac	I Strong	9,000∦ san	d. 49,000	cal. vater.
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Administration African P Genving plug Material .. PLUCE AND ADAINTERS

NEW MEXICO OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO

Form C-110
Revised 7/1/55

(File the original and 4 copies with the appropriate district office)

GERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS.

Company or Operator El Paso Natural Gas C	ompany Lease San Juan 28-7 Unit
Well No. 68 Unit Letter B S 31 T 28	N R 7W Pool Blanco Westerell
County Rio Arriba Kind of Lease (St	tate, Fed. or Patented) Federal
If well produces oil or condensate, give location	
Authorized Transporter of Oil or Condensate	El Paso Natural Gas Products Co.
Address (Give address to which approved co	ov of this form is to be sent)
Authorized Transporter of Gas	
Address	
(Give address to which approved con If Gas is not being sold, give reasons and also	- V
Reasons for Filing:(Please check proper box)	New Well (X)
Change in Transporter of (Check One): Oil ()	
Change in Ownership	DAN
	Other() Give explanation below)
Change in Ownership () (Remarks:	(Give explanation below)
	(Give explanation below)
	(Give explanation below)
	(Give explanation below)
Remarks:	(Give explanation below)
	(Give explanation below)
Remarks: The undersigned certifies that the Rules and Re	(Give explanation below) gulations of the Oil Conservation Com-
Remarks: The undersigned certifies that the Rules and Remarks in the Rules and Remarks in the Rules and Remarks.	(Give explanation below) gulations of the Oil Conservation Com-
The undersigned certifies that the Rules and Remission have been complied with. Executed this the 14 day of May 19	(Give explanation below) gulations of the Oil Conservation Com-
The undersigned certifies that the Rules and Remission have been complied with. Executed this the 14 day of May 19 Approved 347 3 1 357 19	(Give explanation below) gulations of the Oil Conservation Com- 57 By Johnston Title Petroleum Engineer

REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well
REXEMBLESK

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

				NG AN ALLOWABLE FO San Juan 28-7		WN AS:	(Date)	
((Company	or Ope	rator)	(Lease)			
В		. Sec	31	, T. 28N , R. 7W	NMPM	Blanco		Pool
Rio A	rriba			County. Date Spudded	1-19-57	, Date Completed	4-2-57	
Ple	ase indi	cate lo	cation:	,				
D	С	B X	A	Elevation5973	Total Dept	h 4872'	, P.B	· · · · · · · · · · · · · · · · · · ·
E.	F	G	н	2470-2500; 2520-40 Casing Perforations	4188-4218 sq.	5 sks cmt., 41 w/100 sks cmt	.00-01; 4148-5 4659-74; 46	6; 41
L	K	J	1		4733-42; 4752- e of Prod. String			**********
М	N	υ	P					
		İ		based on	bbls. Oil in.	Н	rs	Mins.
990	N, 165	OE		Test after acid or sh	ot			BOPD
			ng Record					
Size		eet	Sax	Based on	bbls. Oil in	Н	rs	.Mins.
10.2/).11 20		1.50	Gas Well Potential.	Ch. Volume = 896	MCF/D; A.B.F		L
10-3/	4 LC	50'	150			2/1.11	•	
7-5 /8	" 26 6	io'	250	Size choke in inches		3/.4		•••••
5-1/2	" 224	5'	375	Date first oil run to	tanks or gas to Trans	smission system: W/	o Pipeline	•••••
2"	478	il.		. Transporter taking (Oil or Gas: El H	Paso Natural G	as Company	
marks:	**********							******
			-					
I her	eby cert	ify the	at the info	rmation given above is tru	e and complete to th	e best of my knowle	edge.	
proved	26	ny 3 :	100-	19		Natural Gas O	** *	
F	•	•••••		, 1		(Compary or Ope		
C	OIL CO	NSER ~	VATION	COMMISSION	Ву:	(Signature)	72	
:	Es	arli	y C	Claud	Title Exxelx	xxxxx.Petrole communications reg	um Engineer arding well to:	
le50	ti de la		ני		NameE. J.	Coel		
					Box 9	97, Farmington	n New Merico	

Correction in liner setting.

Form 9-331a (Feb. 1951)

(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR **GEOLOGICAL SURVEY**

Budget Bureau No. 42-R358.4. Approval expires 12-31-60.

Land Office Santa Fe

Lease No. 078500-A

Unit 5an Juan 28-7 Unit 14-08-001-459

SUN	DRY NOTIC	ES AN	D REPO	ORTS	ON	WEŁL	.S	
NOTICE OF INTENTION TO	DRILL		SUBSEQUENT	REPORT OF	WATER SH	UT-OFF		X
NOTICE OF INTENTION TO			SUBSEQUENT					
NOTICE OF INTENTION TO	TEST WATER SHUT-OFF		SUBSEQUENT	REPORT OF	ALTERING	CASING		
NOTICE OF INTENTION TO	RE-DRILL OR REPAIR WE	LL	SUBSEQUENT	REPORT OF	RE-DRILLII	IG OR REPAI	R	
NOTICE OF INTENTION TO	SHOOT OR ACIDIZE		SUBSEQUENT	REPORT OF	ABANDONM	IENT		
NOTICE OF INTENTION TO		SUPPLEMENTA	RY WELL H	ISTORY				
NOTICE OF INTENTION TO		1	-					; 1
	(INDICATE ABOVE BY C		TURE OF REPORT	, NOTICE, OI	R OTHER DA	TA)		
				А	pril_2	3 2 W.	,	1957
Well No. 68	is located 990	ft. from	N Siline and	1650	ft. from	E line	of sec.	31
ME Section 3	1 284	7w (Rai	nge)	N.M.P	dian)			
Elanco		•	ha	•	,	Nour!	derica	
(Field)		(County or Su	ba bdivision)		(8)	tate or Territo	ry)	
The elevation of the		DETAILS	OF WOR	K	osed resine	ras indicata m	audding iob	• cement-
	ing point	s, and all other	important pro	posed work)	,			.,
Ran 99 joint 150 sacks re Held 1000# f	s 5-1/2", 15.50 gular cement, 1 or 30 minutes. t by temperatur	150 sacks	Pozmix,	2% Ge1		_		S' with
I understand that this p	an of work must receive a	ipproval în writ	ting by the Geol	ogical Surv	ey before oj	perations ma	y be comme	enced.
Company El Pa	so Matural Gas	Company		·			·-•	
Address <u>Box 9</u>	97							
Farmi	ngton, New Mex	ico	Е	Ву	<u></u>		<u> </u>	(
·	·		Tit	tle	Petro	Leum En	gin e er	
	u.	S GOVERNMENT POIN	ITING OFFICE . 1856	200550				

orm 9-831a (Feb. 1951)	
	(SUBMIT IN TRIPLICATE)
	UNITED STATES
	DEPARTMENT OF THE INTERIOR
	GEOLOGICAL SURVEY
][TB 18 M 9:32

Land Office	Ser.	PO Le					
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Lease No.							
San	Juan	28-7	Unit				

14-08-001-459

			Petroleum Engineer
	Farmington, New Maxic	о Ву	·····
ddress	Box 997		HAME SPEALD E.S. OBERLY
ompany .	Rì Paso Natural Gas C	· · · · ·	The second second
I understan			urvey before operations may be commenced.
vg. tr.	pr. 1000#. I.R. 69.7	BFM. Flush 6000 gals	ie
-6-57 T 520-254	emp. B.P. 3 4000'. Wa: O with 41.946 mals. wa:	ter fractured Pictured ter & 40.000# sand. B	l Cliffs perf. int. 2470-250 DP 3000#, max. pr. 1200#
•		-	•
1166-78,	4188-4218 w/50,080 gai pr. 1800#. I.R. 52.5	ls. water & 60,000∯ sa	nd. BDP 2800#, max. pr. 18
2-6-57 T	emp. Bridge Plug 3 460	0'. Water fractured C	liff House perf. int. 4148-
sand. B	DP 2400#, max. pr. 120	0#, avg. tr. pr. 1000#	. I.R. 60.5 BPM. Flush 9000
2-6-57 T	D. Cleaned out 4835'.	Water fractured Poin	t Lookout perf. int. 4659-7 21 v/49,000 gals. water & 6
			roposed casings; indicate mudding jobs, cement rk)
		DETAILS OF WORK	
ne elevati	ion of the derrick floor above		
1 1 -	·		MARK TO THE PARTY OF THE PARTY
	(Field)	(County or Subdivision)	(State or Territory)
(14 Sec	c. and Sec. No.) (Twp.)	(Range) (M Rio Arriba	eridian)
E Secti	on 31 28N	7w emfm	A 44 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
Vell No	is located 990	ft. from $\begin{cases} N \\ S \end{cases}$ line and 1650	ft. from line of sec. 32
		(NI) + Can	. (E)
		***************************************	February 8 , 19 57
	(INDICATE ABOVE BY CH	ECK MARK NATURE OF REPORT, NOTICE	, OR OTHER DATA)
	NTENTION TO PULL OR ALTER CASING NTENTION TO ABANDON WELL	Water Fronts	HISTORY X
	NTENTION TO SHOOT OR ACIDIZE]	OF ABANDONMENT
NOTICE OF I	ntention to re-drill or repair wel	1 1	OF RE-DRILLING OR REPAIR
NOTICE OF I	NTENTION TO TEST WATER SHUT-OFF	i II	OF ALTERING CASING
	NTENTION TO CHANGE PLANS	SUBSEQUENT REPORT	OF SHOOTING OR ACIDIZING

POT []	m 9- feb. 19	-881 a 951) 	•		
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(SUBMIT IN TRIPLICATE)

UNITED STATES OF DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Lan	d Office	Sont	a.Fe	
Leas	o No.	076	00-a	
Unit	San	Juan	26-7	Unit
14-08-001-459				

GEOLO	GICAL SURVEY	
(Ta) (A) (C) (32		
SUNDRY NOTICES A	ND REPOR	TS ON WELLS
NOTICE OF INTENTION TO DRILL.	SUBSEQUENT REPO	RT OF WATER SHUT-OFF.
NOTICE OF INTENTION TO CHANGE PLANS.]	RT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.	1	RT OF ALTERING CASING.
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.	1)	RT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	11	RT OF ABANDONMENT.
NOTICE OF INTENTION TO PULL OR ALTER CASING.	SUPPLEMENTARY W	ELL HISTORY.
NOTICE OF INTENTION TO ABANDON WELL		
(INDICATE ABOVE BY CHECK MARK	NATURE OF REPORT, NOTI	CE, OR OTHER DATA)
		February 8, 19 57
		<u> </u>
Well No. 66 is located 990 ft. from	N line and 16	ft. from E line of sec. 31
ME cection 31 283	TH INC	M
(¾ Sec. and Sec. No.) (Twp.)	` • •	(Meridian)
Biarco	Rio Arriba	
(Field) (County o	r Subdivision)	(State or Territory)
The elevation of the derrick floor above sea lev	vel is <u>5983</u> ft.	
DETAI	LS OF WORK	
(State names of and expected depths to objective sands; show size ing points, and all o	es, weights, and lengths o ther important proposed	f proposed casings; indicate mudding jobs, cement- work)
On 1-25-57, Total Doyth 2672'. Ran 89 joints 7 5, 5', J-55, 26.49, cregular coment, 100 sacks Passix, 5c followed with 50 sacks Heat coment. Reld 1000\$\frac{30}{30}\$ minutes. Top of coment by temperature survey	at 1525'.	45 Gel, 1/4 Ficcele, es.
Company El reso Matural Gas Company		
Address Box 997		A B HAL WOLLD ELS. OBERLY
Fermington, New Mexico	By	
	•	fetroleum ongineer

		Approval expires 12-31-60.
Form 9-881 a (Feb. 1951)		Land Office Senta Pe
	(SUBMIT IN TRIPLICATE)	Lease No. 076500-A
	UNITED STATES	den Juan 28-7 Unit
	DEPARTMENT OF THE INTERIOR	Unit 14-00-001-459
	GEOLOGICAL SURVEY	
	La El All Cha	

235

NOTICE OF	INTENTION TO DRILL	SUBSEQUENT REPO	RT OF WATER SHUT-OFF
1	INTENTION TO CHANGE PLANS	· · · · · · · · · · · · · · · · · · ·	RT OF SHOOTING OR ACIDIZING
	INTENTION TO TEST WATER SHUT-OFF.		RT OF ALTERING CASING.
NOTICE OF	INTENTION TO RE-DRILL OR REPAIR WE	1 1	RT OF RE-DRILLING OR REPAIR
NOTICE OF	INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT	RT OF ABANDONMENT
NOTICE OF	INTENTION TO PULL OR ALTER CASING.	SUPPLEMENTARY W	ELL HISTORY
NOTICE OF	INTENTION TO ABANDON WELL		
	(INDICATE ABOVE BY C	HECK MARK NATURE OF REPORT, NOTI	CE, OR OTHER DATA)
			February 8, 19 57
		***************************************	February 8, 19 57
		(N) - c-	·- (F)
Well No	68 is located 990	ft. from Nine and 165	o ft. from E line of sec. 31
*****	tion 31 289		egesta par. 113
	in 31 201 ec, and Sec. No.) (Twp.)	(Range)	(Meridian)
Blanco	oc. and oos. 110.)	Rio arriba	Hear Mexico
<u>utanco</u>	(Field)	(County or Subdivision)	(State or Territory)
	tion of the derrick floor abov	maska	
2-1-57	ing point Total Depth 4872'.	ts, and all other important proposed	
regular	r cement, 150 escks Foz	J-55 liner (2023') s mix, 25 Gel, 1/8 flo	et at 4060' vith 150 sacks cole/sk.
	00# for 30 minutes.	. Lanas	The state of the s
Top of	cement by temperature	survey at 4200'.	
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			15 25 25 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
_			Survey before operations may be commenced.
_	21 Page Natural Cos C		Survey before operations may be commenced.
Company	El Paso Natural Gas C Box 997	Authorit	·····
Company	El Paso Natural Gas C Box 997	copery	
Company	El Paso Natural Gas C Box 997		ORIGINAL GROMED E.S. CREPAN
Company	El Paso Natural Gas C Box 997		·····

Title

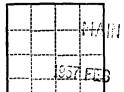
NEW MEXICO OIL CONSERVATION COMMISSION

		Willet rome	•					Form C-	128
		We	lî Loc	ation an	d/or Gas	Prorati	on Plat	Tonnami	25 1957
							_	January	=7, +771
Operator_	El Paso	Natural Gas	Compan	ny	_ Lease_	San Juai	n 28-7 Unit		
Well No.	68 (PM)	_Section	31.	Tov	vnship	28 N	Range	7W	_NMPM
Located_	990	Feet Fro	m	North	_Line,_	1650	Feet Fro	m East	Line,
	Rio Arriba		_Count	ty, New	Mexico.	G. L.	Elevation_	5973'	
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2. If the	answer to	Question 1	is yes	, are th	_	-	e or under n		
-	her dually c	_					ne are true		ct to the
dedica	ted acreage	? Yes	_ ^N o		be	st of my	knowledge a	nd belief.	
Name	1,15	11			Da	te Surve	ved		
Position.	Pet	roleum Engir	neer			_	,		
Represen	iting El	Paso Natural	Gas C				Profession	al Engine	r and/or
Address	Box	997, Farmir	gton.	N.M.	_ La	nd Surve	yor		

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NOTICE OF INTENTION TO PULL OR ALTER CASING. NOTICE OF INTENTION TO ABANDON WELL (INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA) JERMANY 26 , 19 57 Well No. 68 (FM) is located 350 ft. from Nine and 1650 ft. from E line of sec. 11 SEC. CTION 31 223 Th BEATM (Sec. and Sec. No.) (Twp.) (Range) (Meridian) B. SENCE (Field) (County or Subdivision) (State or Territory) The elevation of the derrick floor above sea level is 5583 ft. DETAILS OF WORK (State names of and expected depths to objective sands; show sines, weights, and lengths of proposed casings; indicate mudding jobs, coment ing points, and all other important proposed work) Spaid date 1-19-57. On 1-20-57. Total Depth 170'. Sand 4 joints 10 3/4", 32-75%, Aracco spiral weld casing (160') set at 170' with 150 sacks regular coment circulated to surface. But 1500 30 minutes.	i			li .			
Well No. 68 (FM) is located FD ft. from Niline and 1650 ft. from E line of sec. 11 Well No. 68 (FM) is located FD ft. from Niline and 1650 ft. from E line of sec. 11 Well No. 68 (FM) is located FD ft. from Niline and 1650 ft. from E line of sec. 11 Well No. 68 (FM) is located FD ft. from Niline and 1650 ft. from E line of sec. 11 Well No. 68 (FM) is located FD ft. from Niline and 1650 ft. from E line of sec. 11 Well No. 68 (FM) is located FD ft. from Niline and 1650 ft. ft. Well No. 68 (FM) is located FD ft. from Niline and 1650 ft. ft. Well No. 68 (FM) is located FD ft. from Niline and 1650 ft. ft. Well No. 68 (FM) is located FD ft. from Niline and 1650 ft. ft. Well No. 68 (FM) is located FD ft. Well No. 68 (FM) is located FD ft. Well No. 68 (FM) is located FD ft. Well No. 68 (FM) is located FD ft. Well No. 68 (FM) is located FD ft. Well No. 68 (FM) is located FD ft. Well No. 68 (FM) is located FD ft. Well No. 68 (FM) is located FD ft. Well No. 68 (FM) is located FD ft. We			j	li .			
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Well No. 68 (FM) is located 990 ft. from [N] line and 1650 ft. from [E] line of sec. il NE ction 3	I HOTHEL OF IN	TIENTION TO ABANDON WELL					
Well No. 68 (FM) is located 350 ft. from [N] line and 1650 ft. from [N] line of sec. 11 NE ction 3		(INDICATE ABOVE BY	CHECK MARK NA	TURE OF REPORT, NOT	CE, OR OTHER DATA)		
The elevation of the derrick floor above sea level is 5963 ft. DETAILS OF WORK (State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, coment ing points, and all other important proposed work) Spaid data 1-19-57. On 1-20-57. Dotal Depth 176'. Ann a joints 10 1,4", 32-75", Armon spiral weld casing (160') set at 170' with 150 macks regular cases of circulated to arrange. Beld 500; 30 minutes. I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced. Company 11 feets Scattered Gas Company Box 997					January 26	, 19.	57
Rio Friba Mew Mexico (Field) (County or Subdivision) (State or Territory) The elevation of the derrick floor above sea level is 5983. ft. DETAILS OF WORK (State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cement ing points, and all other important proposed work) Spaid date 1-19-57. On 1-20-57. Total Depth 170'. San 4 Joints 10 3/4", 32.75%, Armeco spiral weld casing (100') set at 170' with 150 sacks regular deposit circulated to surface. Bed 500% 30 minutes.	Well No	8 (PM) is located 990	ft. from	N line and 165	0 ft. from E line of	sec. <u>31</u>	
Rio Friba Mew Mexico (Field) (County or Subdivision) (State or Territory) The elevation of the derrick floor above sea level is 5983. ft. DETAILS OF WORK (State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cement ing points, and all other important proposed work) Spaid date 1-19-57. On 1-20-57. Total Depth 170'. San 4 Joints 10 3/4", 32.75%, Armeco spiral weld casing (100') set at 170' with 150 sacks regular deposit circulated to surface. Bed 500% 30 minutes.	ne secti	.cn 31 284	ب :				
The elevation of the derrick floor above sea level is 5983. ft. DETAILS OF WORK (State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cement ing points, and all other important proposed work) State 1-19-57. In 1-20-57. Total Depth 170'. Ren 4 joints 10 3,4", 32-75%, Armore spiral weld casing (100') set at 170' with 150 sacks resultar consent circulated to aurituse. Beld 500% 30 minutes. I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced. Company II rase Setural Gas Company Address Box 397	(⅓ Sec.	and Sec. No.) (Tw			•		
DETAILS OF WORK (State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, coment ing points, and all other important proposed work) Spid date 1-19-57. On 1-20-57. Total Depth 175'. Ann a joints 10 1/4", 32-75%, Arraco spiral weld casing (160') set at 170' with 150 sacks regular coment circulated to airface. Held 500% 30 minutes. I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced. Company 1 reso Matural Gas Company Address Box 997	Benco	(Piola)	(County or St	(10 /PP100	(State or Territory)		
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced. Company	Spud dat on 1-20- den 4 jo with 150	ing points 1-19-57. 57. Total Depth 176 oints 10 3/4", 32-756 uncks regular come	ints, and all othe	r important proposed Firel weld co	work)		ent
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Address Box 997	I understand	d that this plan of work must receiv	e approval in wri	ting by the Geological	Survey before operations may be o	ommenced.	
_	Company	il reso Notural Cas	Company				
Paraleuten, les lexico By W.F. Court	Address	Box 997					
		Parmicuton, See Acr	rico	Ву	W.T. Cov	1	

C78500-A

Unit San Juan 28-7 Unit



HAIN OFFICE OCC UNITED STATES

DEPARTMENT OF THE INTERIOR

EEB A MA GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF ALTERING CASING SUBSEQUENT REPORT OF RE-DRILLING OF REPAIR SUBSEQUENT REPORT OF ABANDONMENT SUPPLEMENTARY WELL HISTORY	
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(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

		************	J	amary 25,	19 57
Well No. 68 (FH) is located	990 f	t. from ${N \atop c}$ line and	1650 ft. from	E line of sec.	31
NE Section 31	261	Tu total	MCM	(W)	
(1/2 Sec. and Sec. No.) Rienco & So. Rienco & C.	(Twp.)	(Range) Rio Arriba	(Meridian)	Hew Mexico	
(Field)		(County or Subdivision)	(St	ate or Territory)	

The elevation of the derrick floor above sea level is 5963 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

It is intended to dual complete this well in the Pictured Cliffs and Messa Verde formations. The NEA of Section 31 is dedicated to the Pictured Cliffs formation. The E/2 of Section 31 is dedicated to the Mast Verde formation.



I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company

Heave Matural Gas Company

Address

Box 997

Farmington, New Mexico

By W. J. Corul

Title

Petroleum Inglineer

Smata Pa Land Office

076500-A Lease No.

San Anno 28-7 Unit Unit 14-08-001-459

Form 9-331 a (Feb. 1951)

SU	NDRY NOTICES A	ANI	REPOR	RTS ON	I WEL	LS	
NOTICE OF INTENTION	TO DRILL	1	SUBSEQUENT REPO	ORT OF WATER	SHUT-OFF		
	TO CHANGE PLANS	1 11	SUBSEQUENT REPO				1
NOTICE OF INTENTION	TO TEST WATER SHUT-OFF	.]]	SUBSEQUENT REPO				
NOTICE OF INTENTION	TO RE-DRILL OR REPAIR WELL	.	SUBSEQUENT REPO	ORT OF RE-DRI	LLING OR REP	AIR.	<u></u>
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OIL CONSERVATION COMMISSION

Florm 15123

WELL LOCATION AND TOR GAS PROPATION PLAT

						DATE.	JANUARY 17	1957
OFFICE :	EL PASO	NATURAL GAS	COMPANY	SAN	MAN 28-7	UNIT	SF O	78500-A
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Farmington, New Mexico

(Seal)

BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

> CASE No. 3272 Order No. R-2948

APPLICATION OF EL PASO NATURAL GAS COMPANY FOR NON-STANDARD GAS PRORA-TION UNITS, BASIN-DAKOTA GAS POOL, RIO ARRIBA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on June 30, 1965, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 16th day of August, 1965, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, El Paso Natural Gas Company, seeks approval of 51 non-standard gas proration units in the Basin-Dakota Gas Pool, Rio Arriba County, New Mexico, in the following area:
 - TOWNSHIP 28 NORTH, RANGE 5 WEST, NMPM Sections 7 through 13, 24 and 25, and 33 through 36
 - TOWNSHIP 28 NORTH, RANGE 6 WEST, NMPM Sections 7 through 12, 18 and 19, and 30 through 34
 - TOWNSHIP 28 NORTH, RANGE 7 WEST, NMPM Sections 7 through 12, 18 and 19, and 30 through 36

- (3) That a standard gas proration unit in the Basin-Dakota Gas Pool consists of 320 acres, and that each of the proposed non-standard units exceeds 320 acres.
- (4) That non-standard units are necessary in the subject area due to variations in legal subdivisions of the U. S. Public Land Survey.
- (5) That the non-standard units created in the subject area should approximate 320 acres, insofar as is practicable, in order to afford to the owner of each property in the Basin-Dakota Gas Pool the opportunity to produce his just and equitable share of the gas in the pool, and otherwise prevent waste and protect correlative rights.
- (6) That non-standard gas proration units approximating 320 acres, insofar as is practicable, should be created in the subject area, and that the subject application should otherwise be denied.

IT IS THEREFORE ORDERED:

(1) That the following-described non-standard gas proration units in the Basin-Dakota Gas Pool are hereby approved:

RIO ARRIBA COUNTY, NEW MEXICO TOWNSHIP 28 NORTH, RANGE 5 WEST, NMPM

Unit	Acres	-	Description
1	322.96	Section 7: Section 8:	Lots 1, 2, 3, and 4 and S/2 S/2 SW/4 SW/4
2	313.42		Lots 1, 2, 3, and 4, SE/4 SW/4, and S/2 SE/4
		Section 9:	Lot 4 and SW/4 SW/4
3 .	322.35	Section 9:	Lots 1, 2, and 3, SE/4 SW/4, and S/2 SE/4
•		Section 10:	Lot 4 and S/2 SW/4
4	321.61		Lots 1, 2, and 3 and S/2 SE/4 Lot 4, S/2 SW/4, and SW/4 SE/4

-3-CASE No. 3272 Order No. R-2948

		rownship 28 No	RTH, RANGE 5 WEST, NMPM (CONT.)
Unit	Acres	D	escription
5	310.19		Lots 1, 2, and 3 and SE/4 SE/4 Lots 3 and 4, S/2 SW/4, and SW/4 SE/4
6.	342.30		Lots 1, 2, and 5 Lots 1 and 2, W/2 NE/4, and NW/4 SE/4
7	327.36		Lots 3 and 4 and SW/4 SE/4 Lots 1 and 2 and W/2 NE/4
8	329.09		Lots 3 and 4 and W/2 SE/4 Lots 1 and 2 and NW/4 NE/4
9	316.76		Lots 3 and 4, SW/4 NE/4 and W/2 SE/4
•		Section 36:	Lot 1 and NW/4 NE/4
10	330.74	Section 36:	Lots 2, 3, 5, 6, 7, and 8 and NW/4 SE/4
11	345.39	•	Lot 4, NE/4 NW/4, S/2 NW/4, SW/4 NE/4, and N/2 SW/4
		Section 35:	Lot 1
12	330.92		NW/4 NW/4 Lot 2, NE/4, and N/2 SE/4
13	345.82	Section 35:	Lots 3 and 4, NE/4 NW/4, S/2 NW/4, and N/2 SW/4
		Section 34:	Lot 1
14	326.42		NW/4 NW/4 Lot 2, NE/4, and N/2 SE/4
15	329.70	Section 34:	W/2
16	325.46	Section 33:	E/2

TOWNSHIP 28 NORTH, RANGE 6 WEST, NMPM

Unit	Acres		Description
1	353.10	Section 12: Section 11:	Lots 1, 2, 3, and 4 and S/2 S/2 Lot 1 and SE/4 SE/4
2	353.83		Lots 2, 3, and 4, S/2 SW/4, and SW/4 SE/4
		Section 10:	Lots 1 and 2 and S/2 SE/4
* 3	354.79		Lots 3 and 4 and S/2 SW/4 Lots 1, 2, and 3, SE/4 SW/4, and S/2 SE/4
4	356.16		Lot 4 and SW/4 SW/4 Lots 1, 2, 3, and 4 and S/2 S/2
5	326.18		Lots 1, 2, 3, 4, and 5, SE/4 SW/4, and S/2 SE/4 Lot 1 and NE/4 NW/4
6	328.37		Lots 2, 3, and 4, SE/4 NW/4, and E/2 SW/4 Lots 1 and 2 and E/2 NW/4
7	328.77	Section 19:	Lots 3 and 4 and E/2 SW/4 Lots 1, 2, and 3, E/2 NW/4, and NE/4 SW/4
. 8	334.79		Lot 4 and SE/4 SW/4 Lots 1, 2, 3, 4, and 5, E/2 NW/4, and NE/4 SW/4
9	326.29	Section 31:	E/2
10	325.23	Section 32:	W/2
11	325.04	Section 32:	E/2
12	325.59	Section 33:	W/2
13	325.02	Section 33:	E/2
14	324.69	Section 34:	W/2
15	324.63	Section 34:	E/2

-5-CASE No. 3272 Order No. R-2948

TOWNSHIP 28 NORTH, RANGE 7 WEST, NMPM

Unit	Acres		Description
1	321.22	Section 12: Section 11:	Lots 1, 2, 3, and 4 and S/2 S/2
2	333.76		Lots 2, 3, and 4 and S/2 S/2
		Section 10:	Lot 1 and SE/4 SE/4
3	331.55		Lots 2, 3, and 4, S/2 SW/4, and
			SW/4 SE/4 Lots 1 and 2 and SE/4 SE/4
*		Section 3:	nots I and 2 and 35/4 36/4
4	338.02		Lots 3 and 4, S/2 SW/4, and
			SW/4 SE/4 Lots 1, 2, and 3 and SE/4 SE/4
5	313.00		Lot 4, S/2 SW/4, and SW/4 SE/4 Lot 1, SE/4 SW/4, and S/2 SE/4
6	331.11	· ·	Lots 2, 3, 4, and 5 Lots 1, 2, and 3 and E/2 NW/4
		peccion to:	Hots 1, 2, and 3 and E/2 NW/4
7	345.30		Lot 4 and E/2 SW/4
		Section 19:	Lots 1, 2, and 3, E/2 NW/4, and NE/4 SW/4
_	-4		
8	342.17	Section 19: Section 30:	Lot 4 and SE/4 SW/4 Lots 1, 2, 3, and 4, E/2 NW/4,
			and NE/4 SW/4
9	316 50	Section 30:	SE /A SU /A
7	320.30	Section 30:	
10	220 72	Cambian 21	Taka 0 0 4 5 6 au 3 5
10	339.73	Section 31:	Lots 2, 3, 4, 5, 6, and 7, NE/4 SW/4, and N/2 SW/4
	215 25	6	
11	315.36	Section 32:	W/2
12	315.68	Section 32:	E/2
13	316.00	Section 33:	W/2
			•
14	316.32	Section 33:	E/2

TOWNSHIP 28 NORTH, RANGE 7 WEST, NMPM (CONT.)

Unit	Acres		Description
15	318.40	Section 34:	: W/2
16	324.70	Section 35:	: W/2
17	327.70	Section 35:	: E/2
18	328.82	Section 36:	: W/2
19	328.06	Section 36	: E/2

- (2) That the subject application is otherwise hereby denied.
- (3) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year herein-above designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

JACK M. CAMPBELL, Chairman

GUYTON B. HAYS, Member

S E A L

A. L. PORTER, JR., Member & Secretary

BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

CASE No. 4042 Order No. R-2948-A

APPLICATION OF EL PASO NATURAL GAS COMPANY FOR AN AMENDMENT TO ORDER NO. R-2948, RIO ARRIBA COUNTY, NEW MEXICO.

3-44-32 31-60

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CONTRACTOR CENTRAL WAS ASSET

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on February 5, 1969, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this <u>llth</u> day of February, 1969, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That by Order No. R-2948, dated August 16, 1965, the Commission approved several non-standard gas proration units in the Basin-Dakota Gas Pool, Rio Arriba County, New Mexico, among them the following:

TOWNSHIP 28 NORTH, RANGE 6 WEST, NMPM

Unit	Acres	Description			
12		Section			
13	325.02	Section	33:	E/2	

TOWNSHIP 28 NORTH, RANGE 7 WEST, NMPM

n	iptio	Descri	Unit Acres		
W/2	35:	Section	324.70	16	
E/2	35:	Section	327.70	17	

(3) That the applicant, El Paso Natural Gas Company, now seeks amendment of Order No. R-2948 to change the acreage dedication comprising the above-described non-standard gas proration units to comprise the following acreage:

TOWNSHIP 28 NORTH, RANGE 6 WEST, NMPM

Unit	Acres	Description		
12	320	Section	33:	N/2
13	330.71	Section	33:	s/2

TOWNSHIP 28 NORTH, RANGE 7 WEST, NMPM

Unit	Acres	Descri	Description		
16	320	Section	35:	N/2	
17	332.40	Section	35:	s/2	

- (4) That the N/2 of said Section 33 has been admitted to the participating area for the Dakota formation of the San Juan 28-6 Unit.
- (5) That the S/2 of said Section 35 has been admitted to the participating area for the Dakota formation of the San Juan 28-7 Unit.
- (6) That each participating area should coincide with a proration unit.
- (7) That approval of the subject application will allow each of the aforesaid participating areas to coincide with a proration unit and will afford the applicant the opportunity

-3-CASE No. 4042 Order No. R-2948-A

to produce its just and equitable share of the gas in the Basin-Dakota Gas Pool and will otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That Order No. R-2948, dated August 16, 1965, is hereby amended by deleting therefrom the following-described non-standard gas proration units in the Basin-Dakota Gas Pool, Rio Arriba County, New Mexico:

TOWNSHIP	28	NORTH,	RANGE	6	WEST,	NMPM
. ner					197	

Unit	Acres	Descr:	iptic	n
12	325.59	Section	33:	W/2
13	325.02	Section	33:	E/2

TOWNSHIP 28 NORTH, RANGE 7 WEST, NMPM

Unit	Acres	Description
16	324.70	Section 35: W/2
17	327.70	Section 35: E/2

and substituting in lieu thereof the following-described gas proration units:

TOWNSHIP 28 NORTH, RANGE 6 WEST, NMPM

Unit	Acres	Description
12	320	Section 33: N/2
13	330.71	Section 33: S/2

TOWNSHIP 28 NORTH, RANGE 7 WEST, NMPM

Unit	Acres	Description
16	320	Section 35: N/2
17	332.40	Section 35: S/2

-4-CASE No. 4042 Order No. R-2948-A

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

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No. 20 Telephone Company (Company)

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

The control of the co OIL CONSERVATION COMMISSION

DAVID F. CARGO, Chairman

ALEX J. ARMIJO, Member

A. L. PORTER, Jr., Member & Secretary

SEAL

State of New Mexico ONSER, WINDIVISIBAVISED February 10, 1994 District I PC: Box 1980, Hobbs, NM 28241-1980 RECEIVED Dinisie II Instructions on back OIL CONSERVATION DIVISION 21 PO Drawer DD, Artesia, NM 88211-0719 Submit to Appropriate District Office PM 8 52 District III PO Box 2088 Santa Fe, NM 87504-2088 5 Copies 1000 Rio Brazos Rd., Aztec, NM 87410 District IV AMENDED REPORT PO Box 2008, Santa Fe, NM 87504-2088 REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT Operator name and Address 005073 Reason for Filing Code CONOCO INC 10 Desta Drive Ste 100W MIDLAND, TEXAS 79705 (EFFECTIVE 3-1-95) EFFECTIVE 4-1-95) API Number Pool Name 4 Pool Code **30 - 0** <u>39-21652</u> 71599 BASIN DAKOTA Property Name Well Number Property Code L 16608 251 SAN JUAN 28-7 Texit 10 Surface Location II. Feet from the Ul or lot no. Section Range Lot.ldn North/South Line Feet from the East/West line County RIO ARRIBA EAST 2025 NORTH 1325 28 N 11 Bottom Hole Location UL or lot no. Section Township Lot Ida Feet from the North/South line Feet from the East/West line County 14 Gas Connection Date 12 Lee Code 13 Producing Method Code " C-129 Permit Number " C-129 Effective Date " C-129 Expiration Date III. Oil and Gas Transporters Transporter OGRID " Transporter Name » POD 31 O/G 2 POD III STR Location and Address and Description 115210 MERIDIAN OIL INC. P.O. BOX 4289 FARMINGTON, NM. 8 G 31 28N 7W 014538 0 87499 EL PASO NATURAL GAS CO. P.O. BOX 4990 FARMINGTON, NM 87499 115230 G 31 28N 7W G 007057 GIANT REFINERY P.O. BOX 338 BLOOMFIELD, NM 87413 115210 0 G 31 28N 7W 009018 EFFECTIVE 4-1-95 IV. Produced Water ³³ POD ¹⁴ POD ULSTR Location and Description 115250 G 31 28N 7W Well Completion Data B Spud Date " TD Market Ready Date » PRTD 19 Perforations)ECEIVED " Hole Size 31 Casing & Tubing Size 12 Depth Set FEB 1 7 1995 DIV. CON. DIV. DIBIL 3 VI. Well Test Data Date New Oil " Gas Delivery Date " Test Date 37 Test Length " Tbg. Pressure 37 Cag. Pressure " Choke Size 41 Oil 4 Water " Gas " AOF " Test Method 4 I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my OIL CONSERVATION DIVISION knowledge and belief. 27.8 Approved by: SUPERVISOR DISTRICT #3 Printed name: Title: BILL R. KRATHLY Title: Approval Date: FEB 1 7 1995 REGULATORY SPEC Date: Phone: (915) 686-5424 " If this is a change of operator fill in the OGRID number and name of the previous operator 00778 Previous Operator Signature Printed Name Title Date Buddy Show Enviro Cordinator 2/15/95

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Effective 1-1-55

All distances must be from the outer boundaries of the Section Well No. Operator <u>San Juan 28-7 Unit</u> <u>El Paso Natural Gas Company</u> Unit Letter 28N Actual Footage Location of Well: feet from the North feet from the Dedicated Acreages Ground Level Elev: Producing Formation 316.50 Basin Dakota 6072 Acres Dakota 1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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? If answer is "yes," type of consolidation _____Unitization X Yes □ No 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 Commis-DEDICATION PER N. M. O.C.C. ORDER #R-2948 CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. SE/A SWYA Sec 30 FEE Drilling Clerk El Paso Natural Gas Co. January 31, 1978 Secti 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. November 30: 1977 Scale: 1" ± 1,000' FredB.

Certificate No.

Submit 5 Copies
Appropriate District Office
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico Energy, Minerals and Natural Resources Department Form C-104 Revised 1-1-89 See Instructions at Bottom of Page

OIL CONSERVATION DIVISION DISTRICT II P.O. Drawer DD, Artesia, NM 88210

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

REQUEST FOR ALLOWABLE AND AUTHORIZATION

I .	TOT	RANS	SPORT OIL	AND NAT	URAL GA				
Operator AMOCO DEODUCTION COMPAN	arv					1	.PI No. 39216520	in.	
AMOCO PRODUCTION COMPAN	N I					300	37210320		
P.O. BOX 800, DENVER, O	COLORADO 8	0201							
Reason(s) for Filing (Check proper box)	Chan	on in Tra	nsporter of:	Other	(Please expl	ain)			
New Well Recompletion	Oil	ge in 112							
Change in Operator	Casinghead Gas		ndensate						
f change of operator give name and address of previous operator									
II. DESCRIPTION OF WELL A	ANDIFACE								
Lease Name SAN JUAN 28 7 UNIT	Well		ol Name, Includio ASIN DAKO		ATED GAS		of Lease Federal or Fee		ease No.
Location G Unit Letter	2025	I	et From The	FNL Line	13	325 Fo	et From The	FEL	Line
31 m	28N	Pec	7W						
Section 31 Township		Ra	nge /W	, NM	PM,	RIO	ARRIBA		County
III. DESIGNATION OF TRANS	SPORTER OF	OIL	AND NATU	RAL GAS					
Name of Authorized Transporter of Oil		ndensate		Address (Give	address to w	hich approved	copy of this fo	rm is to be se	ent)
MERIDIAN OIL INC.	hand Con	7	Day Con Carrie	3535 EAS	T 30TH	STREET,	FARMING	TON, NM	87401
Name of Authorized Transporter of Casing EL PASO NATURAL GAS COM		j or	Dry Gas	Address (Give		• •			ini)
If well produces oil or liquids, give location of tanks.	Unit Sec.	Tw	p. Rge.	P.O. BOS	connected?	When	7 1X /9	978	
f this production is commingled with that f	rom any other leas	e or pool	, give comming	ing order numbe	:r:				
IV. COMPLETION DATA				, ,-					
Designate Type of Completion -		Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl. Rea	dy to Pro	d.	Total Depth		1	P.B.T.D.		1
Elevations (DF, RKB, RT, GR, etc.)	Name of Producir	ng Forma	ition	Top Oil/Gas Pa	ıy		Tubing Dept	h	
			·						
Perforations							Depth Casing	R 2010e	
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V TECT DATA AND DECLEC	T FOR ALL	NAZ A DI	1 12				J. DIV		
V. TEST DATA AND REQUES OIL WELL (Test must be after re				be equal to or e	oxceed top all	owable forthi	de Bo or be	or full 24 hou	rs.)
Date First New Oil Run To Tank	Date of Test			Producing Met				7	
Length of Test	Tubing Pressure			Casing Pressur	e		Choke Size		
Actual Book During Test				Water Dila			Gas- MCF		
Actual Prod. During Test	Oil - Bbls.			Water - Bbls.			Gas- MCF		
GAS WELL		-					,		
Actual Prod. Test - MCI/D	Length of Test			Bbls. Condens	IC/MMCF		Gravity of C	ondensate	
Testing Method (pitot, back pr.)	Tubing Pressure ((Shut-in)		Casing Pressur	e (Shut-in)		Choke Size		
VI. OPERATOR CERTIFICA	ATE OF CO	MDI I	ANCE	(1		
I hereby certify that the rules and regula	tions of the Oil Co	onservatio	on	∥ C	IL CON	ISERV	I NOITA	DIVISIO	N
Division have been complied with and the			bove			AU	G 2 3 199	30	
is true and complete to the best of my k	nowicage and beli	G.		Date	Approve				
L. H. Shley						دارندة	Cha	/	
Signature Doug W. Whaley, Staff	Admin. Su	pervi	sor	Ву_		UPERVIS		RICT #3)
Printed Name July 5. 1990		Tit	ic	Title_					
Dute 1990	30	3=830 Telepho	1=4280 ne No.						
	Company of the Compan			Name of Street, or other Designation of the Owner, where the Parket of the Owner, where the Owner, which the Owner, where the Owner, which the					

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

Submit 5 Copies Appropriate District Office DISTRICT 1 P.O. Box 1980, Hobbs, NM 88240

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Azzec, NM 87410

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION P.O. Box 2088

Form C-104 Revised 1-1-89 See Instructions at Bottom of Page

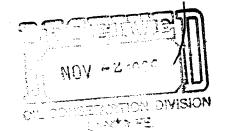
.1

Received Santa Fe, New Mexico 87504-2088 REQUEST FOR ALLOWABLE AND AUTHORIZATION

. TO TRANSPORT OIL AND NATURAL GAS	
Perator Well API No.	JUN 1 4 1989
Amoco Production Company 3003921652	
Address 1670 Broadway, P. O. Box 800, Denver, Colorado 80201	OIL CONSERVATION DIV
Reason(6) for Filing (Check proper box) Uther (Please explain)	SANTA FE
New Well	
Recompletion	
Change of operator give name Tennes Co. 1 F. C. D. 6162 C. Ud Her. Parlament Calamete. 2015	
1. DESCRIPTION OF WELL AND LEASE Lease Name Well No. Pool Name, Including Formation	Lease No.
	F078040
Cocation G 2025 FNL 1325 - FEL	
Unit Letter G 2025 Feet From The FNL Line and 1325 Feet From The FEL	Line
Section 31 Township 28N Range 7W , NMPM, RIO ARRIBA	County
11. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS Name of Authorized Transporter of Oil or Condensate for Address (Give address to which approved copy of this form is to	be seni)
CONOCO P. O. BOX 1429, BLOOMFIELD, NM 874	
Name of Authorized Transporter of Casinghead Gas or Dry Gas X Address (Give address to which approved copy of this form is to	
EL PASO NATURAL GAS COMPANY P. O. BOX 1492, EL PASO, TX 79978 If well produces oil or liquids, Unit Sec. Twp. Rge. Is gas actually connected? When ?	
ive location of tanks.	
f this production is commingled with that from any other lease or pool, give commingling order number:	
V. COMPLETION DATA Oil Well Gas Well New Well Workover Deepen Plug Back Same R.	es'v Diff Res'v
Designate Type of Completion - (X)	
Date Speeded Date Compt. Ready to Prod. Total Depth P.B.T.D.	
Elevations (DF, RKB, RT, GR, etc.) Name of Producing Formation Top Oil/Gas Pay Tubing Depth	
Elevations (DF, RKB, RT, GR, etc.) Name of Producing Formation 100 Usuas Fay Tubing Depth	
Perforations Depth Casing Shoe	
TUBING, CASING AND CEMENTING RECORD HOLE SIZE CASING & TUBING SIZE DEPTH SET SACKS (CEMENT
HOLE SIZE CASING & TODING SIZE DEFIN SET CASING &	JUNETT
7. TEST DATA AND REQUEST FOR ALLOWABLE	
IL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 20	4 hows.)
Date of Test Producing Method (Flow, pump, gas lift, etc.)	
Length of Test Tubing Pressure Casing Pressure Choke Size	
Actual Prod. During Test Oil - Bbls. Water - Bbls. Gas- MCF	
(IAS WELL Actual Prod. Test - MCI/D Length of Test - Bbls. Condensate/MMCF Gravity of Condensate	,
Actual Prod. Test - MCI/D Length of Test Bbls. Condensate/MMCF Gravity of Condensate	76
esting Method (pitot, back pr.) Tubing Pressure (Shut-in) Casing Fressure (Shut-in) Choke Size	
VI. OPERATOR CERTIFICATE OF COMPLIANCE hereby certify that the rules and regulations of the Dif Conservation OIL CONSERVATION DIVIS	NOIS
Division have been counciled with and that the information gives above	51011
is true and complete to the heat of my browletce and helicf	
a a li Daie Annioven	•
Date Approved	
Sugar J. Hampton By Bour ?. Change	
Signature J. L. Hampton Sr. Staff Admin. Supry. By SUPERVISION DISTRIC	T#3
Significan By Bins ? Change By Chang	T # 3

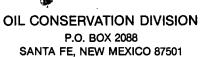
INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells,



STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIV	ED	
DISTRIBUTION		
SANTA FE		
FILE	-	
U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	
IRANSPORTER		
OPERATOR		
PRORATION OFFICE		



Form C-104 Revised 10-01-78 Format 06-01-83 Page 1

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

OFERATOR A	, NO
PRORATION OFFICE AUTHORIZATION TO TRANSF	PORT OIL AND NATURAL GAS
l. Operator	
Tenneco Oil Company -	
Address	
P.O. Box 3249, Englewood, CO 80155	Con V. A.
Reason(s) for filing (Check proper box)	Other (Please explain)
New Well Change in Transporter of:	
Recompletion Oil Dry Gas Change in Ownership Casinghead Gas Condensate	
Change in Ownership Cashinghead das Condonate	
If change of ownership give name and address of previous owner El Paso Natural Gas Company	y, P.O. Box 4990, Farmington, NM 87499
and addition of provided owners	
II. DESCRIPTION OF WELL AND LEASE	
Lease Name Well No. Pool Name, Including Forma	Kind of Lease Lease No. State, Federal or Fee USA
SJ 28-7 Unit 251 Basin Dakota	SF 078500-
Unit Letter G: 2025 Feet From The Nort	th Line and 1325 Feet From The East
Line of Section 31 Township 28N	Range 7W , NMPM, Rio Arriba County
	KLO HITTIDA
III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS	
Name of Authorized Transporter of Oil or Condensate X	Address (Give address to which approved copy of this form is to be sent)
Conoco Inc. Surface Transportation Name of Authorized Transporter of Casinghead Gas or Dry Gas X	P O Box 460 Hobbs NM 88240 Address (Give address to which approved copy of this form is to be sent)
	Additional father addition to without approved copy of this form is to so donly
Fl Paso Natural Gas Company Unit ISec. Twp. Rge.	P.O. Box 4990, Farmington, NM 87499 Is gas actually connected?
If well produces oil or liquids, give location of tanks.	
If this production is commingled with that from any other lease or pool, give commingling order number	Yes
NOTE: Complete Parts IV and V on reverse side if necessary.	
VI. CERTIFICATE OF COMPLIANCE	OIL CONSERVATION DIVISION
I hereby certify that the rules and regulations of the Oil Conservation Division have been complied	
with and that the information given is true and complete to the best of my knowledge and belief.	< 1700 / A
/)	BY Drank Java
A MC/	TITLESUPERVISOR DISTRICT 需 3()
Mod Mound	This form is to be filed in compliance with RULE 1104.
Soft Milmy (Signature)	If this is a request for allowable for a newly drilled or deepened well, this form must be according to the complete of the co
Sr. Regulatory Analyst	panied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.
OCT 1 1985	All sections of this form must be filled out completely for allowable on new and recompleted walk. Fill out only Section I, II, III, and VI for changes of owner, well name and or number, or transporte
	or other such change of condition.
(Date)	Separate Forms C-104 must be filed for each pool in multiply completed wells.

IV. COMPLETION DATA			_						
Designate Type of Completion	on — (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res.'v
Date Spudded	Date Compl.	Ready to Prod.		Total Depth			P.B.T.D.	-	
Elevations (DF, RKB, RT, GR, etc.)	Elevations (DF, RKB, RT, GR, etc.) Name of Producing Formation			Top Oil/Gas	Pay	***************************************	Tubing Depti	h	
Perforations	Perforations					<u> </u>	Depth Casin	g Shoe	
		TUBING	i, CASING, A	ND CEMENT	ING RECORD)			
HOLE SIZE	CA	ASING & TUBII	NG SIZE		DEPTH SE	Т		SACKS CEMI	ENT
						· · · · · · · · · · · · · · · · · · ·			
V. TEST DATA AND REQUEST	FOR ALLOWA	ABLE OIL W	VELL		after recovery of tor full 24 hours)	otal volume of lo	ead oil and must be	equal to or exceed	top allowable for t
Date First New Oil Run To Tanks	Date of Test	· · · · · · · · · · · · · · · · · · ·		Producing Me	ethod (Flow, pump,	gas lift, etc.)			
Length of Test	Tubing Press	ure		Casing Press	sure		Choke Size		
Actual Prod. During Test	Oil - Bbls.		<u> </u>	Water - Bbis			Gas - MCF		
GAS WELL			· ••• <u> </u>	<u>-</u> -					
Actual Prod. Test - MCF/D	Length of Te	st		Bbls. Conde	nsate/MMCF		Gravity of Co	ondensate	
Testing Method (pilot, back pr.)	Tubing Press	sure (Shut-in)		Casing Pres	sure (Shut-in)		Choke Size	· · · · · · · · · · · · · · · · · · ·	

RET

EL PASO NATURAL GAS COMPANY POST OFFICE BOX 990 FARMINGTON, NEW MEXICO



DATE
ON COMMISSION THAT CONNECTION FOR PURCHASE OF
ny San Juan 28-7 Unit #251 Well Name
G 31-28-7 Well Unit S-T-R
El Paso Natural Gas Company Name of Purchaser
FIRST DELIVERY July 21, 1979 Date
Purchaser Representative Chief Dispatcher Title

cc: Operator
Oil Conservation Commission - 2

Proration - El Paso

File

	,			
	DISTRIBUTION	NEW MEXICO OIL C	ONSERVATION COMMISSION	Form C-104
	SANTA FE	\	FOR ALLOWABLE	Supersedes Old C-104 and C-1
	FILE		AND	Effective 1-1-65
	U.S.G.S.	AUTHORIZATION TO TRA	INSPORT OIL AND NATURAL	GAS S
	LAND OFFICE	-		
	TRANSPORTER GAS	-		API 30-039-21652
	OPERATOR /]		
ı.	PRORATION OFFICE]		
	Operator			
	Fl Paso Natural Gas	Company		<u> </u>
	P.O. Box 289, Farmi	ngton N.M. 87401		
	Reason(s) for filing (Check proper box) • •	Other (Please explain)	Tirel
	New Well X	Change in Transporter of: Oil Dry Go		ED
	Recompletion Change in Ownership	Casinghead Gas Conde		
	Change in Ownership		1 1/\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	79
	If change of ownership give name and address of previous owner		OIL COMSEDVI	
	and address of previous owner		OIL CONSERVATION SANTA FE	DIVISIO!1
II.	DESCRIPTION OF WELL AND	LEASE Well No.: Pool Name, Including F	J. WA FE	
	Lease Name			2000
	San Juan 28-7 Unit	251 Basin Dakota	Jide, 1 eder	SF 078500A
		25 Feet From The North Lir	ne and 1325 Feet From	- Fast
	Unit Letter G : 20	Feet From The HOLDI	ne and 1325 Feet From	The East
	Line of Section 31 To	wnship 28-N Range	7-W , NMPM, Rio A	Arriba County
III.		TER OF OIL AND NATURAL GA		
	Name of Authorized Transporter of Oil		Address (Give address to which appro	
	El Paso Natural Gas	singhead Gas Or Dry Gas V	P.O. Box 289, Farmingt Address (Give address to which appro	con, N.M. 87401
	El Paso Natural Gas	-	P.O. Box 289, Farmingt	
,	If well produces oil or liquids,	Unit Sec. Twp. Rge.		hen 8/401
	give location of tanks.	G 31 28-N 7-W		
	If this production is commingled wi	th that from any other lease or pool,		
IV.	COMPLETION DATA	Oll Well Gas Well		
	Designate Type of Completic		New Well Workover Deepen	Plug Back Same Res'v. Diff. Res'v
	Date Spudded	Date Compl. Ready to Prod.	X Total Depth	P.B.T.D.
	1-4-79	5-15-79	7075	7056'
	Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Off/Gas Pay	Tubing Depth
	6072' G.L.	Basin Dakota	68241	7016'
	Perforations	07/ /010 /017 /07		Depth Casing Shoe 7075
	6824, 6828, 6832, 6	836, 6910, 6945, 6950, 6		1 7073
	HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CENTERE
	13 3/4"	9 5/8"	216'	SACKS CEMENT
	8 3/4"	7''	2923!	224 cf 312 cf
	6 1/4"	4 1/2"	7075 '	640 cf
		1 1/2"	7016'	tubing
V.	TEST DATA AND REQUEST FO	OR ALLOWABLE (Test must be a able for this de	fter recovery of total volume of load oil pth or be for full 24 hours)	l and must be equal to or exceed top allow
	Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas i	ift, etc.)
		ł		The state of the s
	Length of Test	Tubing Pressure	Casing Pressure	Choke Size
				The state of the s
	Actual Prod. During Test	Oil-Bbls.	Water - Bbls.	Gds - MCF
		<u> </u>		JUN 2 0 1979
	GAS WELL			COM. COM.
	Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate 1.
				Die.
	Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size
		2318	2335	
VI.	CERTIFICATE OF COMPLIANC	CE	1	ATION COMMISSION
			JUN 2	0 19 79
	I hereby certify that the rules and r Commission have been complied w	ith and that the information given	APPROVED JOIN Z	X
	above is true and complete to the	best of my knowledge and belief.	BY	March

(Signature)

(Title)

(Date)

Drilling Clerk

June 19, 1979

This form is to be filed in compliance with RULE 1104.

SUPERVISOR

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

able on new and recompleted wells.

Fill out only Sections I. II. III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Senerate Forms C-104 must be filed for each nool in multiply

(Rev. 5-68)		UNITED	STATES	SUBMIT	N DUPLICA		Form as Budget l	pproved. Bureau No. 42-R355.5.	
	DEPART	MENT O	F THE IN	TERIOR	struct	other in- tions on se side)	5. LEASE DESIGNAT	ION AND SERIAL NO.	
:	•	GEOLOGICA	AL SURVEY	, a			SF 078500 7	A En effe	
WELL COA	ADI ETIONI	OP PECON	APLETION I	DEDODT A	ND I OU	3*	6. IF INDIAN, ALLOT	TTEE OR TRIBE NAME	
18. TYPE OF WELL					ND LO		+ 43		
1	WEL	L GAS WELL	DRY L	Other	· ·		7. UNIT AGREEMENT	្រីដី ដូច្ន	
b. TYPE OF COMP	LETION: WORK [] DEE	P- PLUG	DIFF.	Othor	¥		S.J. 28-7 U		
WELL (X)	OVER L EN	LJ BACK L	LESVR.	Other			S.J. 28-7 I	- 3. A. 1. E. 18	
2. NAME OF OPERATO				15 T	## T			3 6 5 2 S	
El Paso Nat		Company					251		
		aton Novi l	Mexico 874	01	9	1	10. FIELD AND POOL	OR WILDCAT	
4. LOCATION OF WELL	L (Report location	gton, New lon clearly and in a	secordance with an	y State requirem	enta)*		Basin Dakot	ta 🎨	
At surface	2025' N,		j. Pr	. 🚉	3	İ	OP APEA	OR BLOCK AND SURVEY	
At top prod. inte	-		2 H 2	3			Sec.	31,T-28-N,	
Et top proud into				A SERVICE				R-7-W	
At total depth			<u> </u>	Z	•			M.P.M.	
			14. PERMIT NO.	DA!	E ISSUED		12. COUNTY OR PARISH	13. STATE	_
<u> </u>					<u>* '</u>		Rio Arriba	New Mexico)
15. DATE SPUDDED	16. DATE T.D. R.		, -		,		T, GR, ETC.) • 19. E	医二苯基苯二甲基二二	
1-4-79	1-11-79	5-1 G, BACK T.D., MD &	15-79	TIPLE COMPL.,	072 G.	ERVALS	BOTARY TOOLS	CABLE TOOLS	
20. TOTAL DEPTH, MD &			How b			LLED BY	1 4 4 4 4 4 4 4	- 4.73 = 3	
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28.	<u>,,</u>	CASI	NG RECORD (Re		NOPSIALE		न बाता है है है	ក់ ក្នុងស្នងដំ	~
CASING SIZE	WEIGHT, LB.	FT. DEPTH SE	T (MD) HO	LISABITA FE	: CE)	MENTING		AMOUNT PULLED	
9 5/8"	_36#	216'	13	3/4"	224 c	u. ft	<u> </u>		-
711	20#	2923'	8	3/4"	312 c	u. ft		,	· Sant
4 1/2"	10.5 & 1	1.6# 7075 '		1/4"	640 c	u. ft	<u> </u>	 	. as
<u> </u>				<u> </u>	Loo		Walle Busses	3 3 4 4 5 M	
29. %	(WD)	LINER RECORD	SACKS CEMENT*	SCREEN (MD)	30.		TUBING RECORD	PACKER SET (MD)	
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)				PACALIN SBI (AD)	
						2"	7016		•
31. PERFORATION REC	OED (Interval, si	ize and number)	5	32.	ACID, SHOT	, FRACT	URE, CEMENT SQU	EEZE, ETC.	•
6824 6828	6832 6836	6910,6945,	6950	DEPTH INTER	VAL (MD)	AM	OUNT AND KIND OF	MATERIAL USED	
0021,0020,		0010,0010,		6824-700	21	26.5	00# sand & 6	7.960 gal. w	tr.
6955,6986,	7002' w/1	SPZ.			55 1			5 55 3 44	
	•				₹ j.		1.759934	e emperation	
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33.*	ION I DOOD	UCHION MERWOO (DUCTION	. 1/ ³⁰ - 1				
DATE FIRST PRODUCT	PROD	UCTION METHOD (-	shut-in)	8 (Producing or	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	er Frac Gau	ige-394 MCI	GAS—M	C.W	WATER—BBL.	Shut-in :-	
1			TEST PERIOD	1	040-11	CF.		GAS-OIL BATIO	
5-15-79 FLOW. TUBING PRESS.	CASING PRESSU	RE CALCULATED	OIL—BBL.	GAS-MC	F.	WATER-	BBL: OIL G	RAVITY-API (COBB.)	
	ST 2435	24-HOUR RAT	,				3520935		
34. DISPOSITION OF G		r fuel, vented, etc.)			300 and	·	TEST WITNESSED B		
					<u>_</u> 3 3		N. Waggone		1.
35. LIST OF ATTACH	MENTS				#8				1
					3		#42		
36. I hereby certify		, .	nformation is com	plete and correct	as determin	ed from	all available tecords	OF PARTY	/
SIGNED .	19. B	usco	WAWA IN	Don't 1 t d	g Clerk		20 20 20 20 20 20 20 20 20 20 20 20 20 2		
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Dakota Dakota Dakota	Mesa Verd Point Loo Gallup Greenhorn	MAME		and th
MARKETTERS CO.	ko	GB		e loca
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submitted, particularly with regard to local, area, or regume process.

submitted separate reports for separate completions.

drillers, geologists, sample and core analysis, all types electric, etc.), formation for filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments is a summary of the constant of the state of the constant of the state of the constant of the state of the constant of the state of the constant of the constant of the state of the constant of th General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal

hod of told of តីត Set @ Subsurface Safety Valve: Manu. and Type _ ggistor it gesary at the result th of a selsec tho be a leste a leste 18. I hereby certify that the foregoing is true and correct 9 May 7. 1979 §

Drilling Clerk

(This space for Federal or State office use)

TITLE

TITLE

APPROVED BY CONDITIONS OF APPROVAL, IF ANY:

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mest noitibbe at action biult suiq avode smaitibnon tem : procedures

*See instructions on Reverse Side

oqonq galitha 1901 bas wat 1901-co eac 1908-co eac STOCK S 12 1919 Subsurface Safety Valve: Manu. and Type Set Ft. 10 ds obbi 31 abec no af 1 0ff 23/8 2 FO 9 18. I hereby certify that the foregoing is true and correct essily at ex. <u>N</u> ज इ useu 3 TITLE Drilling Clerk /9/79 SIGNED DATE (This space for Federal or State office use) erich . ರ ns sn APPROVED BY TITLE DATE CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

SUBMIT IN TRIPLICATE*

(Other instructions on

	Budget Bu		42-R142
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UNITED STATES reverse side)

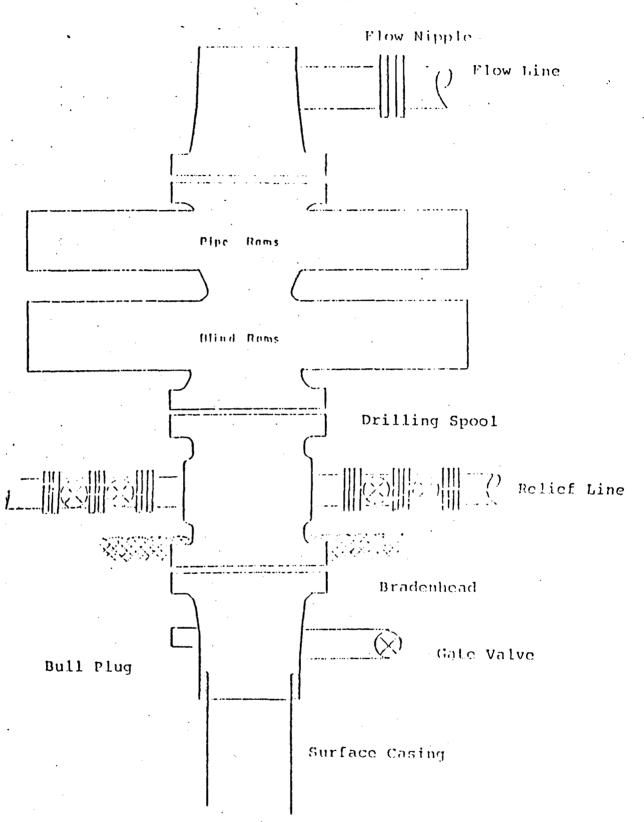
30-034-21652 DEPARTMENT OF THE INTERIOR 5. LEASE DESIGNATION AND SERIAL NO. **GEOLOGICAL SURVEY** SF 078500A 6. IF INDIAN, ALLOTTEE OR TRIBE NAME APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 1a. TYPE OF WORK 7. UNIT AGREEMENT NAME DRILL 🗀 🗆 DEEPEN PLUG BACK h. TYPE OF WELL <u>San Juan 28-7 Unit</u> MULTIPLE ZONE SINGLE ZONE WELL 8. FARM OR LEASE NAME WELL X OTHER 2. NAME OF OPERATOR San Juan 28-7 Unit 9. WELL NO. El Paso Natural Gas Company 3. ADDRESS OF OPERATOR 251 10. FIELD AND POOL, OR WILDCAT PO Box 990, Farmington, NM_ 87401 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) Basin Dakota SEC., T., R., M., OR BLK. AND SURVEY OR AREA 2025'N, 1325' E Sec. 31, T-28-N, R-7-WAt proposed prod. zone NMPM 12. COUNTY OR PARISH | 13. STATE 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 21 miles SE of Blanco, NM Rio Arriba NM 15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, F NO. OF ACRES ASSIGNED TO THIS WELL 16. NO. OF ACRES IST LEASE 615 Unit 316.50 (Also to nearest drig. unit line, if any) 18. DISTANCE FROM PROPOSED LOCATION* 19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS NEAREST WELL, DRILLING, COMPLETED. 310 OR APPLIED FOR, ON THIS LEASE, FT. 7060**'** Rotary 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 22. APPROX. DATE WORK WILL START* 6072 'GR 23 PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT 13 3/4" 5/8" 224 cu.ft. to circulate 9 32.3# <u> 200'</u> 3/4" 20.0# <u> 2920'</u> 271 cu.ft.to cover Ojo Ala: 1/4" 1/2"liner 11.6#-10.5# 7060' 637 cu.ft.to fill to 2920' 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 SE/4 SW/4 of Section 30 and Lot 1, E/2 NW/4 and NE/4 of Section 31 is dedicated to this well.

IN ABOVE SPACE DESCRIBE PROFOSED 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. Drilling Clerk 1-31-78 TITLE . (This space for Federal or State office use) PERMIT NO. APPROVAL DATE APPROVED BY CONDITIONS OF APPROVAL, IF ANY :

*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY DURANGO, COLO.

NWU R-2948 Halle-100 dan 1/9 L



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.