SANTA FE /	NEW	MEXICO OIL CONSER	VATION COMMISSION	_	30 - 6 Form C-101 Revised 1-1-6	039-121788 s			
FILE / U.S.G.S. 2	2				STATE	Type of Lease  FEE X & Gas Lease No.			
OPERATOR 2									
APPLICATION	N FOR PERMIT TO	DRILL, DEEPEN, O	R PLUG BACK		7. Unit Agre				
DRILL X		DEEPEN	PLÚG F	BACK	San Ju	an 29-5 Unit			
b. Type of Well  OIL GAS WELL X	0.11120		INGLE MUL	TIPLE	8. Farm or L				
2. Name of Operator 9. Well No.									
Northwest Pipel	line Corporatio	on	·····		#88	d Pool, or Wildcat			
P.O. Box 90, Fa	armington. New	Mexico 87401			Basin				
		ATED 2450 FE	ET FROM THE North	LINE					
AND 1850 FEET FROM T	THE East LIN	ie of sec. 34 tw	P. 29N RGE. 5W	NMPM					
				VIIIII	12. County				
AHHHHHH				HHH	Rio Arr	iba			
		111111111111111111111111111111111111111		9A. Formation		20, Hotary or C.T.			
21. Elevations (Show whether DF, I	RT, etc.) 21A. Kind	& Status Plug. Bond   21	8075 B. Drilling Contractor	Dakota		Rotary  Date Work will start			
6695' GR			NA		1	1, 1978			
23.	Р	ROPOSED CASING AND	CEMENT PROGRAM						
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	ISACKS OF	CEMENT	FST TOP			
SIZE OF HOLE	SIZE OF CASING 9-5/8"	WEIGHT PER FOOT	SETTING DEPTH	-		EST. TOP			
SIZE OF HOLE  12-1/4"  8-3/4"	9-5/8" 7"	32.3# 20#		10	CEMENT 65 65				
12-1/4"	<del> </del>	32.3#	300'	10	65	Surface			
12-1/4" 8-3/4"	9-5/8" 7"	32.3# 20#	300' 3660'	10	65 65	Surface 2500'			
12-1/4" 8-3/4"	9-5/8" 7"	32.3# 20#	300' 3660'	10	65 65	Surface 2500'			
12-1/4" 8-3/4" 6-1/4"	9-5/8" 7" 4-1/2"	32.3# 20#	300' 3660' T.D.	10	65 65	Surface 2500'			
12-1/4" 8-3/4" 6-1/4" Selectively per	9-5/8" 7" 4-1/2" rforate and sti	32.3# 20# 10.5# & 11.6#	300' 3660' T.D.  ta formation. sing has been	10	65 65 45	Surface 2500' 3660'			
12-1/4" 8-3/4" 6-1/4" Selectively per A BOP will be a	9-5/8" 7" 4-1/2" rforate and sti	32.3# 20# 10.5# & 11.6# Imulate the Dako	300' 3660' T.D.  ta formation. sing has been h the BOP.	10 10 30	65 65 45	Surface 2500' 3660'			
12-1/4" 8-3/4" 6-1/4" Selectively per A BOP will be a	9-5/8" 7" 4-1/2"  rforate and sti installed after work will be o	32.3# 20# 10.5# & 11.6#  Imulate the Dako the surface cae conducted throug	300' 3660' T.D.  ta formation. sing has been h the BOP.	10 10 30	65 65 45	Surface 2500' 3660'			
12-1/4" 8-3/4" 6-1/4" Selectively per A BOP will be a	9-5/8" 7" 4-1/2"  rforate and sti installed after work will be o	32.3# 20# 10.5# & 11.6#  imulate the Dako the surface cae conducted throug icated to this w	300' 3660' T.D.  ta formation. sing has been h the BOP.	10 10 30	65 65 45	Surface 2500' 3660'			
12-1/4" 8-3/4" 6-1/4" Selectively per A BOP will be a	9-5/8" 7" 4-1/2"  rforate and sti installed after work will be o	32.3# 20# 10.5# & 11.6#  imulate the Dako the surface cae conducted throug icated to this w	300' 3660' T.D.  ta formation. sing has been h the BOP.	10 10 30	65 65 45	Surface 2500' 3660'			
12-1/4" 8-3/4" 6-1/4" Selectively per A BOP will be a	9-5/8" 7" 4-1/2"  rforate and sti installed after work will be o	32.3# 20# 10.5# & 11.6#  imulate the Dako the surface cae conducted throug icated to this w	300' 3660' T.D.  ta formation. sing has been h the BOP.	10 10 30	65 65 45	Surface 2500' 3660'			
12-1/4" 8-3/4" 6-1/4" Selectively per A BOP will be a	9-5/8" 7" 4-1/2"  rforate and sti installed after work will be o	32.3# 20# 10.5# & 11.6#  Imulate the Dako the surface cae conducted throug icated to this w	300' 3660' T.D.  ta formation.  sing has been h the BOP.  rell. Gas is de	run and d	cemented	Surface 2500' 3660'			
12-1/4" 8-3/4" 6-1/4" Selectively per A BOP will be in All subsequent The W/2 of Section 1. All Subsequent	9-5/8" 7" 4-1/2"  rforate and sti installed after work will be of tion 34 is dedi	32.3# 20# 10.5# & 11.6#  Imulate the Dako the surface cae conducted throug icated to this w	300' 3660' T.D.  ta formation. sing has been h the BOP. Tell. Gas is de	run and d	cemented	Surface 2500' 3660'			
12-1/4" 8-3/4" 6-1/4" Selectively per A BOP will be in All subsequent The W/2 of Section 1. All Subsequent	9-5/8" 7" 4-1/2"  rforate and sti installed after work will be of tion 34 is dedi	32.3# 20# 10.5# & 11.6#  Imulate the Dako the surface ca conducted throug icated to this w	300' 3660' T.D.  ta formation.  sing has been h the BOP.  cell. Gas is de	run and d	cemented	Surface 2500' 3660'			

CONDITIONS OF APPROVAL, IF ANY:

## NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

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

Operator		···	Lease		Well No.
NORTHWEST	PIPELINE COR	PORATION	SAN JUAN 29-5	UNIT	88
Unit Letter	Section	Township	Range	County	
G	34	29N	5W	Rio Arriba	
Actual Footage Loc					
2450	feet from the	North line and	T	eet from the East	line
Ground Level Elev.	Producing For	mation	Pool.		Dedicated Acreage:
6695	Dakota		Basin Dakota		320 Acres
2. If more th	_			or hachure marks on t dentify the ownership t	he plat below.
3. If more tha	an one lease of dommunitization, t	ifferent ownership is initization, force-pool	ing. etc?		f all owners been consoli-
this form i No allowal	f necessary.) ble will be assign	ed to the well until a	ll interests have beer	consolidated (by cor	nmunitization, unitization, approved by the Commis-
			To the second	Carl Market Land	CERTIFICATION
	         		NM 011350-A	Name D.H Position Sr.	certify that the information con- erein is true and complete to the my knowledge and belief.  Maroncelli  Drilling Engineer
	       S	ec al	<b>⊚</b> 1850	Date	thwest Pipeline Corp.
	+	3l4 FI	EE	shown o notes of under m is true	certify that the well location this plot was plotted from field actual surveys made by me or supervision, and that the same and correct to the best of my ge and belief.
	1	10 m	SF 078412	Date Surve	eyed
	. 1	. 2	1	May :	1, 29,780 LAND
		J.		Fred	B. Kekt Iro
Market No.			et constitution and the second	Certificate	
0 330 660	90 1320 1650 19	80 2310 2640 200	00 1500 1000	500 0 3950	E. KERR.

NY. OF COPIES RECEIVED	4						Ferm 0-103
DISTRIBUTION							Supersedes Old C-162 and C-103
SANTA FE	+++-	NEW MEXICO	OIL CONS	ERVATION C	OMMISSION		Effective 1-1-65
FILE U.S.G.S.	+ +						Sa. Indicate Type of Lease
LAND OFFICE	1						State Fee F
CPERATOR	12						5. State Cil & Gas Lease No.
	- <del>-</del>						
IDO NOT USE THIS FO	SUNDR	Y NOTICES AND REP	ORTS ON	WELLS ACK TO A DIFFER F PROPOSALS.)	ENT RESERVOIR.		
	X	: OTHER-					7. Unit Agreement Name San Juan 29-5 Unit 6. Farm or Lease Name
<u> </u>	ipeline	e Corporation					San Juan 29-5 Unit
i	, Farm	ington, New Mexic	o 8740	1			88.
4. Location of Well  UNIT LETTER G		2450 FEET FROM THE	North	LINE AND	1850	ET FROM	11. Field and Fool, or Wildoon Basin Dakota
THE East	INE, SECTIO			RANGE	5W	_ KMPM.	
		15. Elevation (S	hou u hether 6695 'G		(c.)		12. County Rio Arriba
16.	Check	Appropriate Box To I	ndicate N	Sature of No	tice, Report	or Oth	er Data
· NOTIC		TENTION TO:					REPORT OF:
_	7				ſ		
PERFORM REMEDIAL WORK	4	PLUG AND A	BANDON	REMEDIAL WOR	ì	H	ALTERING CASING
TEMPORARILY ABANDON PULL OR ALTER CASING	4	CHANGE PLA	N	COMMENCE DR	ILLING CPNS.		PLUG AND ABANDONMENT
PULL OR ALTER CASING	_			OTHER			
OTHER		Dril	<u> </u>				
17 Describe Proposed or Co	mpleted Or	perations (Clearly state all	pertinent det	ails, and sive p	ertinent dates, ir	ncluding	estimated date of starting any proposed
work) SEE RULE 1103.	protor Op			, ,	•		
	,	It is our intent	to dril	1 this we	ll in the	near i	future:
	1	therefore, we rec	west an	extension	n of the P	ermit	to Drill.
		,					
				2.4.1	9		
					.53 <b>S</b>		
				,	(CED,		
				11 10-	1		
			EKPINLS -	11-10			
			BEST TITLE				
			A- 45- 1 - 1	of mu beautiful	a and halist		
18. I hereby certify that the	iniormation /	above is true and complete	to the best	o, my knowiedge	and Dentel.		
SIGNED Darbar	a t	. Kex	TITLE Pr	oduction (	Clerk		July 28, 1978
/iD.	101	Sint		SUFACES			DATE WAS COLUMN 18
APPROVED BY	L IF ANY	11111	TITLE			-	
CONDITIONS OF APPROVA	LA IF ANY	•					

NO. OF COPIES RECEIVED	12		Form C-103 Supersedes Old
DISTRIBUTION	<u>                                     </u>		C-102 and C-103
SANTA FE		NEW MEXICO OIL CONSERVATION COMMISSION	Effective 1-1-65
FILE	11		5a. Indicate Type of Lease
U.S.G.S.	1		
LAND OFFICE			
OPERATOR	3		5. State Oil & Gas Lease No.
			Amminimin .
(DO NOT DEE THIS FOUSE	SU IMAE	IDRY NOTICES AND REPORTS ON WELLS  PROPOSALS TO DOILL OR TO DEEPEN OR PUDG BACK TO A DIFFERENT RESERVOIR.  ICATION FOR PERMIT - 11 (FORM C-101) FOR SUCH PROPOSALS.)	7, Unit Agreement Name
	· X	OTHER•	San Juan 29-5 Unit
2. Name of Operator			San Juan 29-5 Unit
	<u> </u>	ne Corporation	9. Well No.
3. Address of Operator	_	t I No. Mouton 07401	88
	rar	nington, New Mexico 87401	10. Field and Pool, or Wildcat
4. Location of Well		2450 Nouth 1050	Pacin Dakota
UNIT LETTER G	<del></del> -	2450 FEET FROM THE North LINE AND 1850 FEET FROM	
THE East	LINE,	ECTION 34 TOWNSHIP 29N RANGE 5W NMPM	
	~~~	15. Elevation (Show whether DF, RT, GR, etc.)	12. County
			Rio Arriba
ÖMMANIA	777	6695 'GR	
16.		ck Appropriate Box To Indicate Nature of Notice, Report or Ot FINTENTION TO: SUBSEQUEN	her Data T REPORT OF:
· 	_		F1
PERFORM REMEDIAL WORK	_]	PLUG AND ABANDON REMEDIAL WORK	ALTERING CASING
TEMPORABILY ABANDON		COMMENCE DESILLING OPNS.	PLUG AND ABANDONMENT
PULL OR ALTER CASING		CHANGE PLANS CASING TEST AND CEMENT JQB	
		OTHER	
OTHER			
17. Describe Proposed or C work) SEE RULE 1103.	omple	ed Operations (Clearly state all pertinent details, and give pertinent dates, includin	g estimated date of starting any proposed
,		. 1 0 7020 has 0 26 70 Daillad to 2521 Dan 0 it	c (328') 9-5/8"
8-26-78	Sp	ud @ 1230 hrs 8-26-78. Drilled to 353'. Ran 8 jt	lown 0 2015 hrs.
	36	#, K-55 csg set @ 343'. Cmted w/ 175 sks. Plug d	Comp C 2010 III 3.
0 07 70		rc 5 bbls cmt to surface. WOC.	
8-27-78	16	sted csg to 600 psi, held OK.	
	Di	illing ahead.	
			THE REAL PROPERTY.
			TOTAL STATE OF THE
			T 27 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
			And a second
			A Street &
			e de la companya de
18. I hereby certify that the	e info	nation above is true and complete to the best of my knowledge and belief.	
, ,	,		
12/100	1-	Production Clerk	DATE August 31, 1978
SIGNED 1 1 150 A		THE THE	
			5 <b>1978</b>
Original Sign	ned	by A. R. Kendrick SUPERVISOR DIST. #3	DATE
APPROVED BY		THEE	

CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED	Form C-103 Supersedes Old
DISTRIBUTION NEW MEXICO OU COMMENTATION COMMISSION	C-102 and C-103
SANTA FE NEW MEXICO OIL CONSERVATION COMMISSION	Effective 1-1-65
<del> </del>	5a. Indicate Type of Lease
U.S.G.S.	State Fee. X
OPERATOR 4	5. State Oil & Gas Lease No.
OPERATOR 1	
SUNDRY NOTICES AND REPORTS ON WELLS  (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL ON TOO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.  USE "APPLICATION FOR PERMIT -" (POR C-101) FOR SUCH PROPOSALS.)	
1. OIL GAS X OTHER-	7. Unit Agreement Name San Juan 29-5 Unit
2. Name of Operator Northwest Pipeline Corporation	8. Form or Legse Name San Juan 29-5 Unit
P.O. Box 90, Farmington, New Mexico 87401	9. Well No. 88
4. Location of Well  UNIT LETTER G . 2450 FEET FROM THE NORTH LINE AND 1850 FEET FROM	10. Field and Pool, or Wildcat Basin Dakota
THE East LINE, SECTION 34 TOWNSHIP 29N RANGE 5W NMPM.	
15. Elevation (Show whether DF, RT, GR, etc.) 6695 GR	12. County Rio Arriba
Check Appropriate Box To Indicate Nature of Notice, Report or Oth	er Data
	REPORT OF:
PERFORM REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON COMMENCE DRILLING OPHS.	PLUG AND ABANDONMENT
PULL OR ALTER CASING CHANGE PLANS CASING TEST AND CEMENT JQB	
OTHER	na & Completion" X
ОТНЕР	- <del></del>
17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including work) SEE RULE 1603.	estimated date of starting any proposed
•	I Combad vid
8-30-78 Depth 3895'. Ran 96 jts 7", 20#, K-55, ST&C csg set @ 380	
175 sks. Plug down @ 1100 hrs. Top of cmt by temp survey	w 1800 . Pressure
tested csg to 1200 psi, held OK. 9-2-78 Drilled to TD 8022'. Ran GR-Induction & Density logs.	
	80221 Cmtod w/ 345
9-3-78 Ran 201 jts of 4-1/2", 10.5# & 11.6#, K-55, ST&C csg set @ sks. Plug down @ 1830 hrs. WOC. Top of cmt by temp surv	ov 8 32501
Cleaned out to PBTD 8009'. Tested csg to 3800 psi, held 0	
9-4-78 Spotted 500 gal 7-1/2% HCl. Ran GR-CCL & perfed from 7982	
Fraced w/ 50,000# 40/60 sand & 71,840 gal slick wtr. Job 9-6-78 Landed 2-3/8" tbg @ 7986'. Released rig @ 0600 hrs.	complete @ 2400 mrs.
3-0-70 Landed 2-378 tbg @ 7980 . Refeased Fig @ 0000 hrs.	
	•
	V.
	+ r
	and the second
18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.	The second of th
SIGNED & alvara C. Key TITLE Production Clerk	DATE Sept. 18, 1978
SIGNED THE THURSTON	
Original Signed by A. R. Kendrick  APPROVED BY	SEP 2 0 1973
APPROVED BY TITLESUPERVISOR DIST: 2	DATE

CONDITIONS OF APPROVAL, IF ANY:

## NEW MEXICO CIL CONSERVATION COMMISSION MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Тур	e Test								- 1	Tyst Late		Τ		
L	X	] Initio	ıl 		Annual			Spec	=: <b>=</b> :	9/13/	78			
1	.pany				Conne	ection.								
		st Pi	pelir	ne Corp.		ew Co	mplet	ion						
Poc						ermation D. 1					Unit	_		
L-	Basin			<u> </u>	D	Dakota :					29-5			
Con	npletion Date		i i	Total Lepth	22					1	r Lease Na	.me		
<u> </u>	Sept. 6			80 b	22 Sel At 38	06   04	rioratio	8009	1	66	95	San	Juan	
Csq								7982	Te	79	a./.	#88	<b>.</b>	
TING	, Size	Wt.	U. 5#!	4.052 d	Set At		riorano				74	Unit	Sec.	Twp. Rge.
	2.375		4.9	1.995	79	86 F	mom		70			G	34	29 5
Typ	e Well - Sinc			_ G.G. or G.C				Packer Se	1 At		<del></del>	County		
Gas - Single									No			Rio	Arriba	<u>i</u>
F,10	ducing Thru		Reserv	oir Temp. *F	Mean A	nnual Te	mp. °F	Baro. Pre	SE	Pa		State		
L	Tubing			6					_12			<del></del>	Mexico	
	L	н		Go	% CO 2		% N 2	9	ъ н <sub>2</sub> 5		LOAGL	Meter	Run	Taps
<u></u>				.590			l				/4" Cho			
<u> </u>	<del>,</del>		FL	OW DATA	1					DATA		ASING	DATA	Duration
ΝО.	Prover Line	x	Orifice Size	Press. p.s.i.g.	Diff.	.   7	emp.	Press p.s.t.q		Temp.	1	58.	Temp.	of Flow
ļ <u></u>	Size		3126	p.s.r.y.	, hw			2372		1 1		.i.g. 193	1	SIP
5i	<del> 2"</del>		.750	205			60°	205		-		909	<u> </u>	3 hr.s
2.	<del> </del>			1 203	<del>                                     </del>		00	203	·	<del> </del>		909		3 Hr.S
3.	<del> </del>			·	<del></del>	$\dashv$				1				_
4.				-	<del> </del>			<del> </del>						
5.														
	<u></u>			<del></del>	RAT	EOF	LOW	CALCUL	ATIO	ONS				
	Coeffic				Dres	sure	Flow	Temp.		Gravity	1	Super		late of Flow
	i		-	$\sqrt{h_{\mathbf{w}}P_{\mathbf{m}}}$			F	actor		Factor		ompress.		Q, Mcfd
NO.	(24 H					m	!	Ft,		Fq		ctor, Fpv	<u>'                                    </u>	
1	9.6	04	<u> </u>	<del></del>		17	1	.000	!	1.302		.017	1	2760
2.									!		<u> </u>			
3.					<del></del>				!					
5.			-						!					
J.		1	<del>'</del>			Cas 1.1	and Hy	drocarbon F			<u> </u>			Mci/bbl.
NO.	P <sub>t</sub>	Temp	o. •R	T <sub>r</sub>	Z	ļ	-	of Liquid F						Deg.
1.		1				1		y Separator					x x x	(XXXXXX
2.								y Flowing				<u>x</u>		
3.		<del> </del>				Critica	Pressu	ие				P.S.1	.A.	P.S.I.A.
4.		<del> </del>				Critica	l Tempe	rature					.R	R
<b>5</b> .	2505	D 2 4	62750	25		L								
P <sub>c</sub> _		Pc(		P <sub>w</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	(D	P <sub>c</sub> <sup>2</sup>	= _	1.1	563	يهلن	E	= _	1.1151
1	- 1	921		848241	5426784	F	ਣ <sup>2</sup> – ਮੂੰ				/1	Pc <sup>2</sup> - Fw	2 J 🔨	
2		1 721		UTULTI .	U104	Ì			_		/	, -	N. Maria	
3		+				ACT =	, Γ	F <sub>C</sub> <sup>2</sup>	٦٣.	3087		1/	-40 1	
4	<del></del>	<del>                                     </del>				AUr =	~  -	E2 - E2	-   -		_ ,- 5		•	-
5											<u> </u>			
_		1	Absolute Open Flow 3078 McId # 15.025 Angle of Slope # Flope, n -75											
	olute Open I	low _	30	78			McId	€ 15.025	Angl	e of Slope	e <u>C</u>	<u> </u>	Blop	n
Abs									Angl	e of Slope	0/0	19th	Blop	. n 75
Abs				78st of H <sub>2</sub> (					Angl	e of Slope	9/00		Blop	e. n75
Abs	marks: B1	ew med	d. mi	sť of H <sub>2</sub> (	) throug					e of Slope	•	Charles		e. n 75
Abs		ew med	d. mi	St of H <sub>2</sub> (	) throug	ghout			d By:		0	Checker		e. n 75

### DEVIATION REPORT

NAME O	F COMPANY	Northwe	st Pipeli	ine Cor	P ADDRESS	s <u>P0     </u>	3ox 90	), Fai	rming	gtón,	New M	lexico	<u>8740</u> 1
LEASE	San Juan 2	29-5 Un	it well	88	UNIT _	G	SEC	34	_Т.	29N	_ R.	5W	
POOL _	Basin Dako	ota			(	COUNT	Υ	Rio /	Arril	ba			<del></del>
		<del></del>					/ o \	<del></del> -			<del></del>		
			353 933 2009 2496 2941 2995 3533 3800 4292 4788 5274 5762 6253 6750 6906 7314 7786			DE	VIATI 1 3/4 1-1/2 1-1/2 1 1 3/4 1/4 3/4 1/4 1/2 1/2 3/4 1/4 1/2	<del>_</del>	The state of the s				
			···			• • •	·	-	<b>P</b>	65) Ch			
		<u></u>		· · · · · · ·		• • •				N. Carre	Terral IV V		<u>_</u>
acting am aut by me true t	icate: I, in my capa horized by or under my o the best	acity a said C y super of my	s <u>Produc</u> ompany to vision an knowledge	tion Comake and direct and h	this repection are	oort;	and at th	rthwe that e fac	est F this ets s	reportated	rt wa	in are	ared
This	ibed and sw Mynuse WUBLIC IN		Posto	lone	d.			ptemb	ber_		, 19 <u>7</u>	'8	
()	, oblic in	11111110	9,211 00	My	Commiss	sion	Expir	es _	12	2-18	-79		

NO. OF COPIES RECEIVE	ED (0)					F	Torm C-105
DISTRIBUTION	1 1					F	Revised 11-1-8
SANTA FE	7	NEWI	MEXICO OIL CO	NSERVATION	COMMISSION	5a. Ir	ndicate Type of Lease
FILE	7/ 7w		TION OR REC			ND LOG S	tate Fee X
U.S.G.S.	2	LLL COM LL	THOR OR RE	SOM ELTION		5. St	ate Oil & Gas Lease No.
LAND OFFICE						•	
OPERATOR	12						
						<i>[[]]</i>	
la. TYPE OF WELL						7. Un	nit Agreement Name
	OIL WELL	GAS WELL	DRY	OTHER			San Juan 29-5 Unit
b. TYPE OF COMPLE  NEW WOLL Y OVE	4 K	PLUG BACK	DIFF.	OTHER		8.10	San Juan 29-5 Unit
2. Name of Operator Northwest	Pipeline Co	rporation				9. We	88
3. Address of Operator				<del> </del>		10. F	ield and Pool, or Wildcat
PO Box 90	, Farmingto	n, New Mex	ico 87401		L.		Basin Dakota
4. Location of Well							
UNIT LETTER G	LOCATED 24	50 FEET F	ROM THE Nort	th LINE AND _	1850 ,	EET FROM	
Fact	3/1	20N				/////	ounty Arriba
THE LUSC LINE OF	3EC. 199				evations (I)F F	77777	.) 19. Elev. Cashinghead
8-26-78	9-3 <b>-</b> 78	9-	13-78		6695 'GR	<del> </del>	
20. Total Depth 8022'		Back T.D.	22. If Multi Many	ple Compl., How	23. Interval Drilled	s Rotary Tool By All	s Cable Tools
24. Producing Interval(s	s), of this completion	on - Top, Botton	., Name				25. Was Directional Survey Made
Dakota; 7982	' to 7994'						No
26. Type Electric and C	ther Logs Run						27. Was Well Cored
GR-Induction	& Comp Dens	itv					No
28.			ING RECORD (Re	port all strings	set in well)		
CASING SIZE	WEIGHT LB./	T. DEPTH	SET ! HO	DLE SIZE	CEMEN	TING RECORD	AMOUNT PULLED
9-5/8"	36	34	3'	12-1/4"		175 sks	5 bbls
7"	20	380	6'	8-3/4"		175 sks	-
29.	Lit	NER RECORD			30.	TUBING	G RECORD
SIZE	TOP	воттом	SACKS CEMENT	SCREEN	SIZE	DEPTH S	ET PACKER SET
4-1/2"	surface	8022	345		2-3/8"	7986	
				<del> </del>			
31. Perforation Record	Interval size and	number)	!	32. A	CID SHOT ER	ACTURE CEME	NT SQUEEZE, ETC.
7982' to 7984	4'(24 holes	@ 2 shots/	ft.)		NTERVAL	· · · · · · · · · · · · · · · · · · ·	ND KIND MATERIAL USED
,,,,,,	. (=:		,		<del>- 7001</del>	90 gal 7-1/	
					Y	0.000  gal	
							50 sand in slick wtr
				DUCTION		ocai iiuiu	= 71,840 gal
Date First Production	Product	tion Mathod (Flor	ring, gas lift, pun		type numn)	Wel	1 Status (Prod. or Shut-in)
N/A	Froduct		owing	·			Shut-in
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	ОП — ВЫ.	Gas - MCF	1	ol. Gas - Oil Ratio
9-13-78	3	2"X0.750"		Gas - MC	CV 276	0 0 er – Bbl.	Oil Gravity - AR (Corr.)
Flow Tubing Press. 205 psig	Gasing Pressure 909 psig	Calculated 24 Hour Hate	- Oil — Вы. . 0	AOF 3	1	0	-
34. Disposition of Gas						Test Withe	ssed By
	· hiheiille C	omiec c i Uil			<del> </del>		
35. List of Attachments					a*		
36. I hereby certify that	the information sh	oun on both side	s of this form is t	rue and complete	to the best of i	ny knowledge and	belief
$\sim$	1 0	. 12	1	Production	Clark		Sept. 25, 1978
SIGNED Dai	hara C.	Kex	TITLE	- roduction	CIEFK	DAT	

#### THATRUCTIONS

This form as to be filed with the appropriate Finter Office of the Commission not later than 21 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one applied electrical and ratio-activity leas run on the will all a runnmary of all special tests conducted, including drill stem tests. All deepened shall be measured depths. In the case of directionally unified wells, true yertical depths shall also be reported. For multiple completions, Items 33 through 34 shall be reported for each zone. The form is to be filed in quintuplicate exception state land, where six copies are required. See Bule 1105.

### INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

		Sout	heastern	New Mexico				Northwest	em Ne	w Mexico
T. Anhy			Т.	Canyon	т	Ojo A	lamo		_ T.	Penn. "B"
						-				Penn. "C"
B. Salt -			Т.	Atoka	T.	Fictur	ed Cliff	s	T.	Penn. "D"
T. Yates	s		T.	Miss	T.	Cliff I	louse _		T.	Leadville
T. 7 Riv	ers		T.	Devonian	т.	Menef	ее	· · · · · · · · · · · · · · · · · · ·	T.	Madison
T. Queer	n		т.	Silurian	т.	Point	Lookout	l ————————————————————————————————————	т.	Elbert
T. Grayt	burg		т.	Montoya	Т.	Manco	s		т.	McCracken
T. San A	Andres		т.	Simpson	Т.	Gallur			т.	Ignacio Qtzte
T. Glorie	eta		т.	McKee	B	ase Gree	nhorn _	L	T.	Granite
					•					
T. Bline	bry		Т.	Gr. Wash	τ.	Morris	on		Т.	
T. Tubb	T. Tubb T. Granite			T.	Todilt	٥		т.		
T. Drink	ard		Т.	Delaware Sand	Т.	Entrac	la	<del></del>	T.	
T. Abo_			T.	Bone Springs	T.	Winga	е		т.	
T. Wolfe	amp		Т.		Т.	Chinle	·		T.	
T Cisco	(Bough 6	C)	т.		T.	Penn.	"A"		Т.	<del></del>
				- OIL (	OR GAS S	ANDS	OR Z0	NES		
No. 1, fror	n			.to	N	o. 4, fro	m	***************************************	· · · · · · · · · · · · · · · · · · ·	to
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110. <del>1</del> , 11011	a			to	·····			fcet	••••••	
From	То			toto	·····			fcet	••••••	•••••

1.	DISTRIBUTION  SANTA FE  FILE  U.S.G.S.  LAND OFFICE  TRANSPORTER  OIL  GAS  OPERATOR  PRORATION OFFICE  Operator	REQUEST	CONSERVATION COMMISSION FOR ALLOWABLE AND ANSPORT OIL AND NATURAL	Form/C-104 Supersedes Old C-104 and C-11 Effective 1-1-65 GAS
	Northwest Pipeline Con Address  PO Box 90, Farmington Reason(s) for filing (Check proper box, New Mal:  Recompletion Change in Ownership	on, New Mexico 87401	FF !	
	If change of ownership give name and address of previous owner			
11.	DESCRIPTION OF WELL AND	LEASE Well No.   Pool Name, Including F	formation Kind of Leas	e Lease No.
	San Juan 29-5 Unit	88 Basin Dakota	XXXX XXXX	i
	Location Unit Letter G ; 24!	50 Feet From The North Lin	ne and 1850 Feet From	The East
	24	waship 29N Range		io Arriba County
***	DESIGNATION OF TRANSPORT	TER OF OU AND NATURAL GA	15	
111.	Name of Authorized Transporter of Oil	or Condensate X	Address (Give address to which appro	
	Northwest Pipeline Co	rporation	3539 E 30th St., Farm	ington, New Mexico 87401  ved copy of this form is to be sent)
	Northwest Pipeline Con		•	ington, New Mexico 87401
	If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. P.ge.	Is gas actually connected? Wh	
	If this production is commingled with	th that from any other lease or pool,	give commingling order number:	
IV.	Designate Type of Completic	on - (X)   Cil Well   Gas Well   X	New Well Workover Deepen	Plug Back   Same Resty, Diff, Resty,
	" ''	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
	Date Spudded 8-26-78	9-13-78	8022'	8009'
	6695 GR	Name of Producing Formation Dakota	Top Oil/Gas Pay 7982'	Tubing Depth 7986'
	Perforations 7982' to 7994'; 24 ho	les		Depth Casing Shoe 8022 '
	7362 66 7331 3 2 7 116		D CEMENTING RECORD	
	HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
	12-1/4"	9,5/8"	343'	175
	8-3/4" 6-1/4"	4-1/2" liner	3806' surface to 8022'	175 345
	0-1/4	2-3/8" tbg	7986'	-
v.	TEST DATA AND REQUEST FO	OR ALLOWABLE (Test must be a	ifter recovery of total volume of load oil epth or be for full 24 hours)	and must be equal to or exceed top allow-
	OIL WELL    Date First New Oil Bun To Tanks	Date of Test	Producing Method (Flow, pump, gas li	ift, etc.)
	Bala ( All All All All All All All All All A	9-13-78	Flow	
	Length of Test	Tubing Pressure	Casing Pressure	Choke Size
	Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gan-MCF
	·	<u> </u>		
	GAS WELL	L coath of Tart	Bbis. Condensate/MMCF	Gravity of Candensate
	Actual Frod. Test-MCF/D  CV 2760 AOF 3087	Length of Test  3 hrs	Bata. Condensate/www.cr	
	Teating Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shub-in)	Choke Size
	Back Pressure	2372 psig	2493 psig	2" X 0.750"
¥I.	CERTIFICATE OF COMPLIAN	CE	OIL CONSERVA	ATION COMMISSION

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

(Signature) Production Clerk

(Title) September 25, 1978

(Date)

APPROVED\_ Uriginal Janes ante**Z** 

DEPUTY OIL IS ON THE COMMON AND IN \$3

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

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

All sections of this form must be filled out completely for allowable 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.

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

HO. OF COPIES NEC	1/2		
DISTRIBUTIO			
SANTA FE	1		
FILE			
u.ś.g.s.			
LAND OFFICE			
IRANSPORTER	OIL	1	
I HANSFORTER	GAS	IL	
OPERATOR	2		
		† —	

	DISTRIBUTION SANTA FE FILE U.S.G.S.	REQUEST	CONSERVATION COMMISSION FOR ALLOWABLE AND ANSPORT OIL AND NATURAL	Form C-104 Supersedes Old C-104 and C-110 Effective 1-1-65
	LAND OFFICE  IRANSPORTER OIL 1  GAS (  OPERATOR Z	AUTHORIZATION TO TRA	HASPORT OIL AND NATURAL	. GAS
I.	PRORATION OFFICE			
	Northwest Pipeline (	Corporation		
	Address			
	PO Box 90, Farming Reason(s) for filing (Check proper box	gton, New Mexico 87401	Other (Please explain)	
	New Well	「COrrection XXXTransporter of:		
	Recompletion	Oil Dry Go	7	
	Change in Ownership	Casinghead Gas Conde	nsate []	
	If change of ownership give name and address of previous owner			
11	DESCRIPTION OF WELL AND	LEASE		
	Lease Name San Juan 29-5 Unit	Well No. Pool Name, Including F 88 Basin Dakota	ormation Kind of Le	
	Location	OO DASTII DAKULA	AAAAAA	WAY 1 cc
	Unit Letter G :24	150 Feet From The North Lin	ne andFeet Fro	m The East
	Line of Section 34 To	ownship 29N Range	5W , NMPM,	Rio Arriba County
III.	DESIGNATION OF TRANSPOR	TER OF OIL AND NATURAL GA	Address (Give address to which app	proved copy of this form is to be sent)
	Northwest Pipeline (	Corporation	3539 E 30th St., Far	rmington, New Mexico 87401 proved copy of this form is to be sent)
	Name of Authorized Transporter of Ca El Paso Natural Gas			con, New Mexico 87401
	If well produces oil or liquids,	Unit Sec. Twp. Rge.		When
	give location of tanks.		-iilidohow	
JV.	If this production is commingled with COMPLETION DATA	ith that from any other lease or pool,		Plug Back   Same Res'v. Diff. Res'v.
	Designate Type of Completi	on - (X) Oil Well Gas Well	New Well Workover Deepen	Plug Buck Same Ness V. Bitt. Ness V.
	Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
	8-26-78 Elevations (DF, RKB, RT, GR, etc.)	9-13-78 Name of Producing Formation	8022 Top Cil/Gas Pay	8009 Tubing Depth
	6695 GR	Dakota	7982'	7986'
	Perforations	1 - 1 -		Depth Casing Shoe  80221
	7982' to 7994'; 24 !	TUBING, CASING, ANI	D CEMENTING RECORD	1 0022
	HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
	12-1/4" 8-3/4"	9-5/8"	3431	175
	6-1/4"	4-1/2"	surface to 8022'	345
		2-3/8" tbg	7986 1	<u> </u>
V.	TEST DATA AND REQUEST FOIL WELL	OR ALLOWABLE (Test must be a able for this de	epth or oe for futt 24 hours	oil and must be equal to or exceed top allow-
	Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas	life, etc.)
	Length of Teet	9-13-78 Tubing Pressure	Casing Pressure	Choke Syles
			Water-Bbis.	Gas-MCF
	Actual Pred, During Test	Oil-Bbls.	114(6) - 35.61	NOV 2 7 1978
				OIL CON. COM.
	GAS WELL Actual Prod. Test-MOF/D	Length of Test	Bbis. Condensate/MMCF	Gravity of Condensate
	CV 2760 AOF 3087	3 hrs	Casing Pressure (Shut-in)	Choke Size
	Testing Method (pitot, back pr.) Back Pressure	Tubing Pressure (shut-in) 2372 psig	2493 psig	2" X 0.750"
VI.	CERTIFICATE OF COMPLIAN	ICE	OIL CONSERV	vation commission 2.7 1978
	I hereby certify that the rules and	regulations of the Oil Conservation	APPROVED NOV	
	Commission have been complied	with and that the information given e best of my knowledge and belief.		by A. R. Kendrick
			TITLE SUPERVISOR	DIST. #8
	$\Omega$	0.2	This form is to be filed i	n compliance with RULE 1104.
	Darbara	nature)	Il this form must be accom-	beneques to beiling the a role eldswollenger being being a tabulation of the deviation
	Production	Clerk	tests taken on the well in ac	cordance with RULE 111.  must be filled out completely for allow-
	November 2	ille) 2, 1978	able on new and recompleted	wells. II. III, and VI for changes of owner,
		=	" LIN ON ONE DECITORS I	, gas, sees, errer ve to thomber to the color

(Date)

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.

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

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

э.	LEASE	Fee			
6.	F INDI	AN, ALLO	TTEE OR	TRIBE	NAME

/7. UNIT AGREEMENT NAME San Juan 29-5 Unit

8. FARM OR LEASE NAME San Juan 29-5 Unit

#88

9. WELL NO.

14. API NO.

VACINID	NOTICES	AND	<b>REPORTS</b>	ΩN	WELLS
SUNDRY	NUTICES	AINU	REPURIS	UIN	MELLE

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9–331–C for such proposals.)

1. oil gas 🕅	other
2. NAME OF OPERATOR	

Northwest Pipeline Corporation 3. ADDRESS OF OPERATOR

P.O. Box 90, Farmington, N.M. 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE:

2540 FNL & 1850 FEL AT TOP PROD. INTERVAL: 2540 FNL & 1850 FEL AT TOTAL DEPTH: 2540 FNL & 1850 FEL

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

10. FIELD OR WILDCAT NAME Basin Dakota 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 34, T29N, R5W 12. COUNTY OR PARISH 13. STATE N.M. Rio Arriba

6695' GR

15. ELEVATIONS (SHOW DF, KDB, AND WD)

REQUEST FOR APPROVAL TO: TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL PULL OR ALTER CASING MULTIPLE COMPLETE

CHANGE ZONES ABANDON\* Water Disposal

(NOTE: Report results of

U. S. GEOLOGICAL SURVEY FARMINGTON, N. M.

ON. change on Form

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

SUBSEQUENT REPORT OF:

It is proposed to dispose of approximately 500 bbls of produced water from this well and the San Juan 29-5 Unit #89, 90, & 91 on a lease road located in the SW/4 of Sec 34, T29N, R5W. The water will be spread on the indicated dirt road by a water truck and a blade will follow working it into the ground. The contractor will be DAWN TRUCKING. A water analysis of the produced water and a topographic map of the area are attached.

Approval granted for disposal from unit well for beneficial use, not to exceed three times for each well, to control dust.

Subsurface Safety Valve: Manu. and Type			Set @	Ft.
18. I hereby certify that the foregoing is true	and correct			
SIGNED THE TERM	TITLE Prod Engineer	DATE	1-22-82	
APPROVE	b pace for Federal or State office (	ıse)		
APPROVED BY CONDITIONS OF APPROVAL F. AND CONDITIONS	TITLE	DATE _		
O MAY 27 1982				
JAMES F. SIMS				
SGK/djb DISTRICT ENGINEER	*See Instructions on Reverse Side			
	NMOCC			

NMOCC

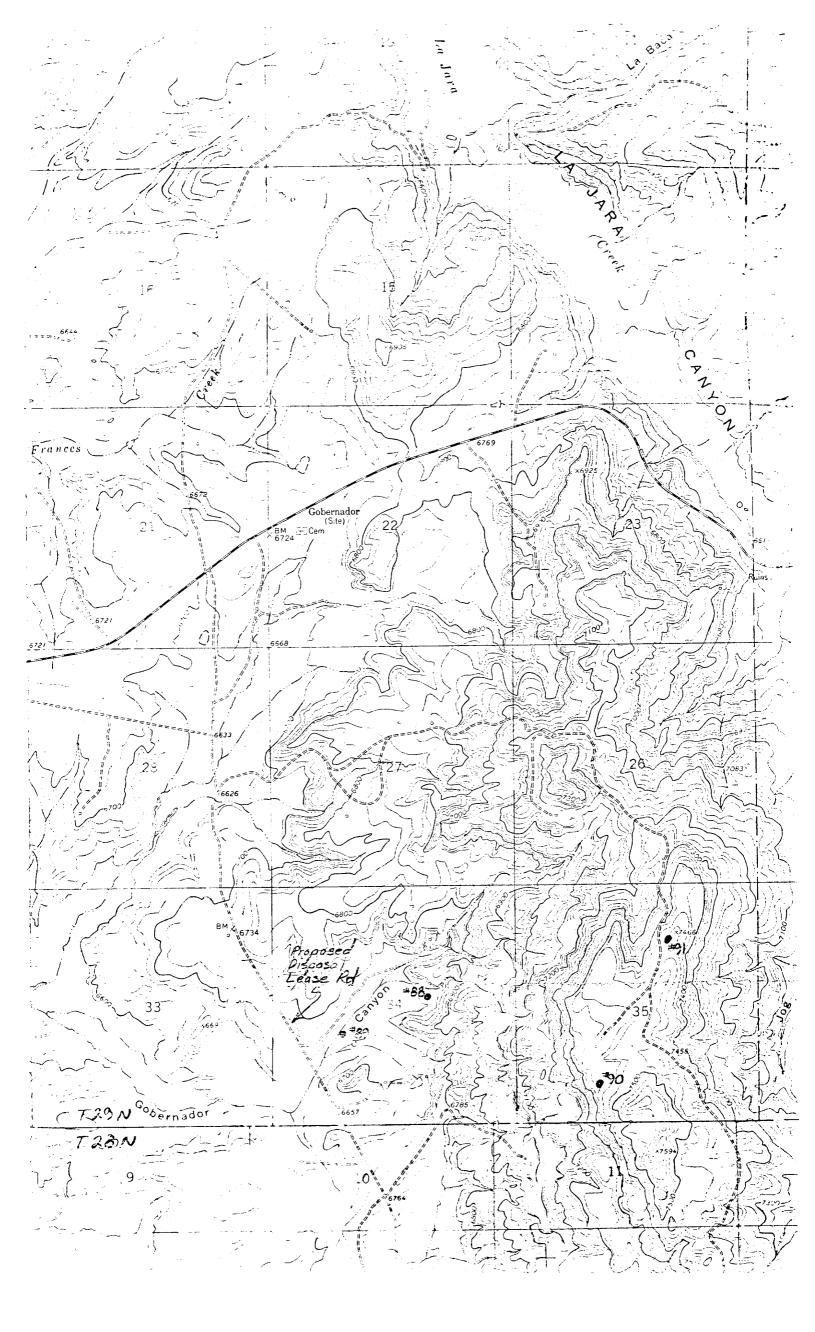
### DIVISION LABORATORY

### FARMINGTON, NEW MEXICO

### LABORATORY WATER ANALYSIS Report No: 1 of 6

To: Northwest Pipeline Corp.		Date: 1-11-82
P. O. Box 90  Farmington, NM 87401  Attn: Mr. Sterg Katirgis	Cementers Corp. part thereof is closed without press approval it may, however of regular busi person or conce	the property of National and neither it nor any to be published or disfirst securing the exof laboratory management; to be used in the course liness operations by any ern and employees thereof report from National oration.
Submitted By: <u>Sterg Katirgis</u>	Date Received:_	12-30-81
Well No:SJ 29-5 #88 DK	Depth: unknown I	Formation: Dakota
Location: Unknown		
No Oil 1.	in Mater	(AFPFIL)
Resistivity Temperature Specific Gravity(Sp.Gr.) pH		ohms/m <sup>2</sup> /r  MAY 2 8 1982  OIL CON. COM.  DIST. 3
Total Dissolved Solids	14,501	parts per million*
Calcium (Ca <sup>++</sup> )	143	parts per million
Magnesium (Mg <sup>++</sup> )	11	parts per million
Chlorides (Cl <sup>-</sup> )	3,615	parts per million
Carbonates (CO <sub>3</sub> )	0	parts per million
Bicarbonates (HCO3)	1.076	parts per million
Sulfates (SO,)	4,796	parts per million
Iron (Fe <sup>+++</sup> )	Present	parts per million
Potassium (K <sup>+</sup> )	nil	parts per million
Sodium (Na <sup>+</sup> )(Difference)	4,860	parts per million
Stability Index (SI)	not required	_
EMARKS: Residue Solids= <del>12.9 mi</del>	l solids/liter, or 9.11	nil solids/Liter(as mush)
indicates parts per million	by weight; uncorrected	for Specific Gravity
ABORATORY ANALYST:	Respectfully National Cen	submitted, enters Corporation
Clarion Cochran	By: (Kay	on) d. (achier)

ANTONIO CONTRA LA CONTRA L



1	40. OF COPIES SECE	1-60	:	
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ı	U.S.G.S.	!		
	LAND OFFICE		Ī	i 1
	FRANSPORTER	OIL	Ĭ	<u> </u>
		GAS	1	<u> </u>
į	OPERATOR			<u> </u>
١. ا	PRORATION OF	ICE	Ι	<u> </u>
	Operator			
	Northwest Pipeline			ne
	Aairess			
	D A D	00	C	:

DISTRIBUTION  SANTA FE  FILE  U.S.G.S.  LAND OFFICE	REQUEST :	DNSERVATION COMMISSION FOR ALLOWABLE - AND NSPORT DIL AND NATURAL (	Form C-104 Superredes Old C-104 and C-11 Elfective 1-1-65 GAS	
IRANSPORTER GAS  OPERATOR  PRORATION OFFICE				
Operator	Companyion		- · · · · · · · · · · · · · · · · · · ·	
Northwest Pipeline				
P.O. Box 90, Farmin	gton, New Mexico 87499	Other (Mease explain)		
New Woll	Change in Trimsporter of: OIL		*	
Recompletion Change in Ownership	Castaghead Gas Conden	₩.	<u></u>	
If change of ownership give name and address of previous owner			,	
I. DESCRIPTION OF TELL AND	LEASE	ormation disa of Usb.	on Lease No.	
San Juan 29-5 Unit	88 Basin Dakota	•		
Unit Letter G : 245	0 For From The North Lie	e and <u>1850</u> Feet From	The East	
24	winste 29N Ranzo		Arriba County	
I: <u>DESIGNATION OF TRANSPORT</u>	TER OF OIL AND NATURAL GO	4S Appendix (Grye address to which appe	and carry of this form is to be seen	
Name of Authorized Transporter of 200 Petro Source Inc.		1979 So 700 West, Salt	t Lake City, Utah 84104	
Name of Authorized Transporter of Ca		Austracia opera address to which appr P.O. Box 990, Farmingto		
El Paso Natural Gas	Thit Sec. Twp. Age.	is and naturally connected?		
give location of tanks.	G 34 29N 5W	l		
If this production is commingled wi V. COMPLETION DATA	th that from any other lease or pool,	New Whit. Worksver Deepen	Plug Back - Same Resty, Diff, Rest	
Designate Type of Completion		New Art. Actions: Deepen	San Communication of the Commu	
Date Spudded	Date Compl. Regay to Prog.	Total Depth	P.B. T.D.	
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Tep Ott/Gas Pray	Tubing Depth	
Perforations			Depth Casing Shoe	
Lettordions				
HOLE SIZE	TUBING, CASING, AN	D CEMENTING RECORD DEPTH SET	SACKS CEMENT	
			<u> </u>	
AND DECAMENT	ON ALLOWANT E (Terrinal has	ofter recovery of total values of load of	il and must be equal to or exceed top all:	
V. TEST DATA AND REQUEST F	able for this d	lepth or be for full 24 hours) Producing Method (Flow, pump, 205)		
Date First New Cil Run To Tanks	Date of Test	Floracing method (1 tout / 1 mp)		
Length of Test	Tucing Pressure	Coaing Piesawo	Choke Size	
Actual Prod. During Test	Oti-Bals.	Water-Bhis.	Gos-MCF	
GAS WELL	Length of Test	Bbis. Condensate/MMCF	Gravity of Condensate	
Actual Pred. Test-MCF/D	Langth C. 1424			
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Cueing Pressurs (Shut-in)	Choke \$126	
VI. CERTIFICATE OF COMPLIAN	(CE	OIL CONSERV	VATION COMMISSION	
Commission have been complied	regulations of the Oil Conservation with and that the information given ne best of my knowledge and belief.	BY		
••		TITLE DEPUTY OIL & GAS	INSPECTOR DIST, 44	
Donna	Bene B	If this is a request for all	n compilance with RULE 1104. lowable for a newly drilled or deepen mented by a tabulation of the deviati	
Donna J. Brace	mice)	well, this form must be accompanied by a tabulation of the de- tests taken on the well in accordance with RULE 111.  All sections of this form must be filled out completely for		
Production Cle	rk [WM]	All nections of this form	must be filled out completely for allowells.	



#### STATE OF NEW MEXICO

### ENERGY AND MINERALS DEPARTMENT

## OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE

TONEY ANAYA GOVERNOR 1000 RIO BRAZOS ROAD AZTEC, NEW MEXICO 87410 (505) 334-6178

May 1, 1984

Mr. Mike J. Turnbaugh Northwest Pipeline Corp. P.O. Box 90 Farmington, NM 87499

Re: Application for Hardship Classification San Juan 29-5 Unit #88 G-34-29N-5W San Juan 29-5 Unit #89 K-34-29N-5W San Juan 29-5 Unit #90 B-34-29N-5W

Dear Mike:

The referenced applications are returned unapproved for the following reasons:

#88

- 1) The production history you supplied indicated that the well has logged off only twice in five years. After swabbing in the first time, the well returned to production at a higher rate. After swabbing in the second time, the well returned to production at a lower rate but showed increasing monthly production. This indicates that a short shut-in period may not cause permanent loss. Also, why was the well shut-in?
- 2) There is no explanation of why small bore tubing has not been installed.
- 3) There are no cost figures which indicate that without relief this well will be prematurely abandoned.
- 4) There is no documentation of water production.
- 5) Plat does not show offset ownership.
- 6) There is no signed certification.

Mr. Mike J. Turnbaugh May 1, 1984 Page 2

#89

- There is no explanation of why small bore tubing has not been installed.
- 3) There are no cost figures which indicate that without relief this well will be prematurely abandoned.
- 4) There is no documentation of water production.
- 5) Plat does not show offset ownership.
- 6) There is no signed certification.

#90

- This well has been logged off only once in five years for an unusually long period of time. Why was it shut-in for this length of time? Would a shorter shut-in period of a month or several weeks cause the well to log off?
- 2) There is no explanation of why small bore tubing has not been installed.
- 3) There are no cost figures which indicate that without relief this well will be prematurely abandoned.
- 4) There is no documentation of water production.
- Plat does not show offset ownership.
- 6) There is no signed certification.

If you have any questions, please contact this office.

Sincerely,

Frank T. Chavez

District Supervisor

FTC/dj

xc: Joe Ramey
Well File

## STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

	Π		
DISTRIBUTIO	0#		Г
SANTA PE		1	Ī
FILE			
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LAND OFFICE	LAND OFFICE		
TRANSPORTER	VEAHARDETE OIL		
OPERATOR			
PROBATION OF	V		_

## 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

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

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I.	FOR FOR FOR A TORAL GAS				
Operator .					
Northwest Pipeline Corporation					
Address	Mary pro-				
P.O. Box 90, Farmington, New Mexico 87499					
Resson(s) for filing (Check proper box)	Other (Please explaint)				
New Well Change in Transporter of:	1005				
	IN IAM 2 1. 1000				
Change in Ownership Casinghead Gas X Co	ondensate				
If change of ownership give name	OIL San a				
and address of previous owner	Dipl.				
II. DESCRIPTION OF WELL AND LEASE					
Lease Name   Well No.   Pool Name, Including F	ormation Kind of Lease Lease No.				
San Juan 29-5 Unit 88 Basin Dakota	Stock X Septemble of Fee				
Location					
Unit Letter G : 2450 Feet From The North Lin	e and 1850 Feet From The East				
Line of Section 34 Township 29N Range	5W . NMPM, Rio Arriba County				
	•				
III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL	Addions (Give address to which approved copy of this form is to be sent)				
Name of Authorized Transporter of Oil or Condensate					
UPG, Inc.  Name of Authorized Transporter of Casingneed Gas or Dry Gas [X]	P.O. Box 66, Liberal, Kansas 67901  Address (Give address to which approved copy of this form is to be sent)				
Name of Authorized Transporter of Casinghead Gas or Dry Gas 🛣 El Paso Natural Gas Company	P.O. Box 990, Farmington, New Mexico 87499				
Unit Sec. Twp. Rge.	ls gas actually connected? When				
If well produces oil or liquids, give location of tanks.  G 1 34 29N 5W	, and deliberally commented to				
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.					
	OIL CONSERVATION DIVISION				
VI. CERTIFICATE OF COMPLIANCE	1				
I hereby certify that the rules and regulations of the Oil Conservation Division have	APPROVED JAN 21 1985				
been complied with and that the information given is true and complete to the best of	$\mathcal{E}_{\alpha} I(Q)$				
my knowledge and belief.					
TITLE SUPERVISOR DISTRICT # 3					
This form is to be filed in compliance with RULE 1104.					
$(1/2)(V_G - C) = (1/2)(C(10)(1) - C(1)(1)$					
Linda S. Marques (Signature)  If this is a request for allowable for a newly drilled or deepen well, this form must be accompanied by a tabulation of the deviate					
Production and Drilling Clerk	tests taken on the well in accordance with RULE 111.				
(Title)					
January 11, 1985	Fill out only Sections I. II. III, and VI for changes of owns				
(Date)	well name or number, or transporter, or other such change of conditio:				

# Memo

District Supervisor

Decommend deny or docket for

De Small tubrig Dar not heen run. 2 Fartderline in S.I., presume may indicate easing failure.

Oil Conservation

Aztec, New Mexico

STATE OF NEW MEXICO EMERCS AND MINERALS DEPARTMENT

### APPLICATION FOR CLASSIFICATION AS HARDSHIP GAS WELL

Operator Northwest Pipeline Corporation	Contact Party Mark McCallister
Address P.O. Box 90 - Farmington, NM 87499	Phone No. 505/327-5351
Lease San Juan 29-5 Unit well No. 88 UT	
Pool Name Basin Dakota	Minimum Rate Requested 120 MCF/D
Transporter Name El Paso Natural Gas Company	
Are you seeking emergency "hardship" classificat	ion for this well? X yes no
Applicant must provide the following information well qualifies as a hardship gas well.	

- Provide a statement of the problem that leads the applicant to believe that "underground waste" will occur if the subject well is shut-in or is curtailed below its ability to produce. (The definition of underground waste is shown on the reverse side of this form)
- Document that you as applicant have done all you reasonably and economically can do to eliminate or prevent the problem(s) leading to this application.
  - a) Well history. Explain fully all attempts made to rectify the problem. If no attempts have been made, explain reasons for failure to do so.
  - b) Mechanical condition of the well(provide wellbore sketch). Explain fully mechanical attempts to rectify the problem, including but not limited to:
    - the use of "smallbore" tubing;
       other de-watering devices, such as plunger lift, rod pumping units, etc.
- 3) Present historical data which demonstrates conditions that can lead to waste. Such data should include:
  - a) Permanent loss of productivity after shut-in periods (i.e., formation damage).
  - b) Frequency of swabbing required after the well is shut-in or curtailed.
  - c) Length of time swabbing is required to return well to production after being shut-in.
  - d) Actual cost figures showing inability to continue operations without special relief
- 4) If failure to obtain a hardship gas well classification would result in premature abandonment, calculate the quantity of gas reserves which would be lost
- 5) Show the minimum sustainable producing rate of the subject well. This rate can be determined by:
  - a) Minimum flow or "log off" test; and/or
  - b) Documentation of well production history (producing rates and pressures, as well as gas/water ratio, both before and after shut-in periods due to the well dying, and other appropriate production data).
- 6) Attach a plat and/or map showing the proration unit dedicated to the well and the ownership of all offsetting acreage.
- 7) Submit any other appropriate data which will support the need for a hardship classification.
- 8) If the well is in a prorated pool, please show its current under- or over-produced is status.
- 9) Attach a signed statement certifying that all information submitted with this application is true and correct to the best of your knowledge; that one copy of the application has been submitted to the appropriate Division district office with name) and that notice of the application has been given to the transporter/purchaser and all offset operators.

MAR 12 1985 OIL CON. DIV

### GENERAL INFORMATION APPLICABLE TO HARDSHIP GAS WELL CLASSIFICATION

1) Definition of Underground Waste.

"Underground Waste as those words are generally understood in the oil and gas business, and in any event to embrace the inefficient, excessive, or improper use or dissipation of the reservoir energy, including gas energy and water drive, of any pool, and the locating, spacing, drilling, equipping, operating, or producing, of any well or wells in a manner to reduce or tend to reduce the total quantity of crude petroleum oil or natural gas ultimately recovered from any pool, and the use of inefficient underground storage of natural gas."

- The only acceptable basis for obtaining a "hardship" classification is prevention of waste with the burden of proof solely on the applicant. The applicant must not only prove waste will occur without the "hardship" classification, but also that he has acted in a responsible and prudent manner to minimize or eliminate the problem prior to requesting this special consideration. If the subject well is classified as a "hardship" well, it will be permitted to produce at a specified minimum sustainable rate without being subject to shut—in by the purchaser due to low demand. The Division can rescand approval at any time without notice and require the operator to show cause why classification should not be permanently rescanded if abuse of this special
- 3) The minimum rate will be the minimum sustainable rate at which the well will flow. If data from historical production is insufficient to support this rate (in the opinion of the Director), or if an offset operator or purchaser objects to the requested rate, a minimum flow ("log off") test may be required. The operator may, if he desires, conduct the minimum flow test, and submit this information with his application.
- 4) If a minimum flow test is to be run, either at the operator's option or at the request of the Division, the offset operators, any protesting party, the purchaser and OCD will be notified of the date of the test and given the opportunity to witness, if they so
- 5) Any interested party may review the data submitted at either the Santa Fe office or the appropriate OCD District Office.
- 6) The Director can approve uncontested applications administratively if, in his opinion, sufficient justification is furnished. Notice shall be given of intent to approve by attaching such notice to the regular examiner's hearing docket. Within 20 days following the date of such hearing, the affected parties will be permitted to file an objection. If no objection has been filed, the application may be approved.
- 7) Should a protest be filed in writing, the applicant will be permitted to either withdraw the application, or request it to be set for hearing.
- 8) An emergency approval, on a temporary basis for a period not to exceed 90 days, may be granted by the District Supervisor, pending filing of formal application and final action of the OCD Director. This temporary approval may be granted only if the District Supervisor is convinced waste will occur without immediate relief. If granted, the
- 9) After a well receives a "hardship" classification, it will be retained for a period of one year unless rescinded sooner by the Division. The applicant will be required to certify annually that conditions have not changed substantially in order to continue to retain this classification.
- 10) Nothing here withstanding, the Division may, on its own motion, require any and all operators to show cause why approval(s) should not be rescinded if abuse is suspected or market conditions substantially change in the State of New Mexico.
- 11) A well classified as a "hardship well" will continue to accumulate over and under production (prorated pools). Should allowables exceed the hardship allowable assigned, the well will be permitted to produce at the higher rate, if capable of doing so, and would be treated as any other non-hardship well. Any cumulative overproduction accrued either before or after being classified "hardship" must, however, be balanced before the well can be allowed to produce at the higher rate.

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### NORTHWEST PIPELINE CORPORATION

PRODUCTION & DRILLING
PO BOX 90
FARMINGTON NEW MEXICO 87499

February 25, 1985

Frank Chavez New Mexico Oil Conservation Div. 1000 Rio Brazos Rd. Aztec, NM 87410

Re: San Juan 29-5 Unit #88

Dear Frank:

The San Juan 29-5 Unit #88 was completed in the Dakota formation in September of 1978. This well will log off with fluid any time it is shut in for more than (five days.) A stopcock was installed in April of 1981 to maintain bottom hole pressure and ensure enough gas volume is available to lift fluid. The well has to be blown to atmosphere periodically even with a stopcock.

Each time the well is shut in for no demand or mechanical problems, it has to be swabbed in. The average number of days to swab the well in is two. At a cost of \$1200 per day, it costs NWP \$2400 to return the well to production. At the well's current production of 100 mcfd, one swabbing operation will take 7 days to payout. To date approximately \$7200 has been spent on swabbing operations.

As the well's production declines, it will log off with greater frequency. If the well starts logging off once every 3 months, the well will be prematurely abandoned when the well is capable of producing 16 mcfd. This will leave 8 mmcf of recoverable reserves in the ground. This amounts to approximately \$27,040 in lost revenue.

If the well were allowed to produce with a hardship classification, small bore tubing will be installed and the well can continually lift fluid in the wellbore. With the well producing continually the well will not log and the costs of swabbing will not have to be paid out. At current producing and swabbing rates, 6% of the well's gross revenues go to swabbing.

The use of small bore tubing will reduce the volume of gas needed to lift fluid from the wellbore. If the well is shut in, the size of the tubing will not make a difference because the bottom hole pressure connot overcome the hydrostatic pressure of the fluid column. Small bore tubing may even promote logging in that less water can exert the same hydrostatic pressure on the formation.

An initial liquid production test run in November of 1980 indicates the well produces 9.5 BWPD when producing constantly. Through the use of a stopcock set for 4 hrs. off and 4 hrs. on, the water production can be cut to approximately 4 BWPD.

The attached production curve indicates that underground waste is already occurring. The rate of which the well was returned to production following the last swabbing operation is approximately 37% of the previous rate. Also, the SICP is declining at an abnormal rate indicating the relative permeability to gas is being reduced.

The minimum producing rate required to lift fluid from the wellbore is 700 mcf/d in 2 3/8" tubing and 475 mcf/d in 1 1 2" tubing. This well cannot maintain a producing rate of 475 mcf/d without the use of a stopcock. The well's producing history indicates a stopcock time setting of 6 hours off and 2 hours on will maintain enough gas volume to lift fluid from the wellbore. Based on a minimum flow rate of 475 mcf/d, this well will require an average minimum flow rate of 120 mcf/d to lift fluid from the wellbore.

Sincerely,

Mark McCallister

Production & Drilling Engineer

MAM/cnh cc: File

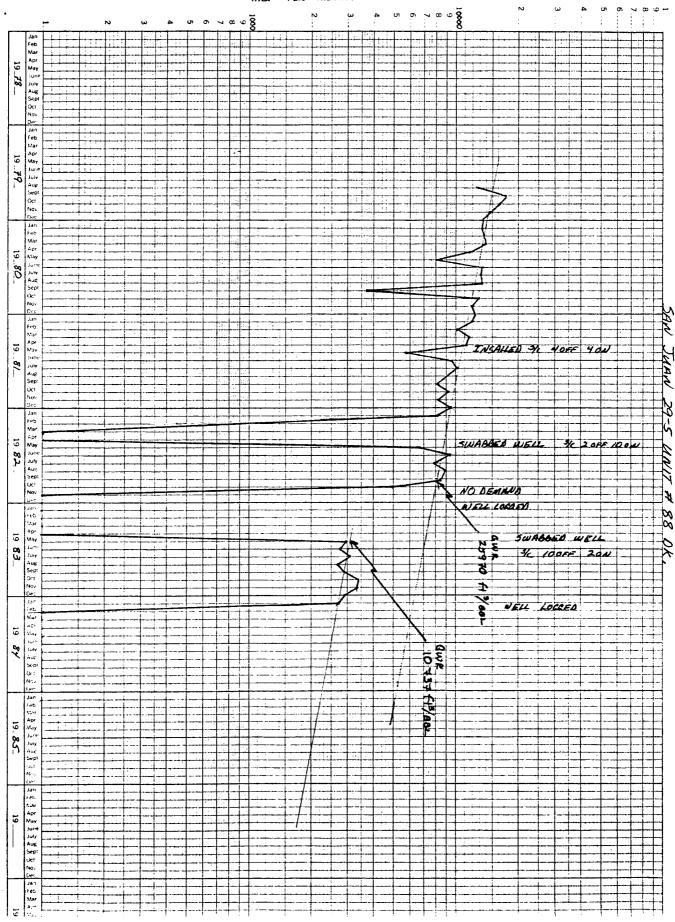
## PRODUCTION HISTORY SAN JUAN 29-5 UNIT #88

The San Juan 29-5 Unit #88 Dakota was first delivered on June 29, 1979. An initial water production rate of 5.7 BWPD was measured. Due to problems with the production unit, the well was shut in for repairs on January 23, 1980. The well logged while shut in and was swabbed in on February 26, 1980. The well produced an average of 388 mcf/d for the remainder of 1980. A stopcock was installed on April 30, 1981 set for 4 hours off and 4 hours The well produced an average of 314 mcf/d in 1981. Due to more problems with the production unit the well logged off in January of 1982. The SICP at this time was 1740# (2493# at IP test). The well was swabbed in on April 28, 1982. The well was shut in for no demand on October 20, 1982. The well was off for 40 days. The well was on for 2 days when the fire in the production unit went out and the well logged. The well was swabbed in on April 29, 1983. The stopcock time was changed to 10 hours off and 2 hours on. On May 9, 1983 the stopcock time was changed to 11 hours off and 1 hour on. The well averaged over 1000 mcf/d while on. The orifice plate was changed from 1.250 to 1.750 on July 1, 1983. The well seemed to be producing good at the above settings. On January 30, 1984 the well was found logged off while producing.

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MCF AER MONTH



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EXHIBIT "A"

SAN JUAN 29-5 UNIT

RIO ARRIBA COUNTY NEW MEXICO

APPROVED 21 NOVEMBER 1952

UNIT AGREEMENT NUMBER: 14-08-001-437

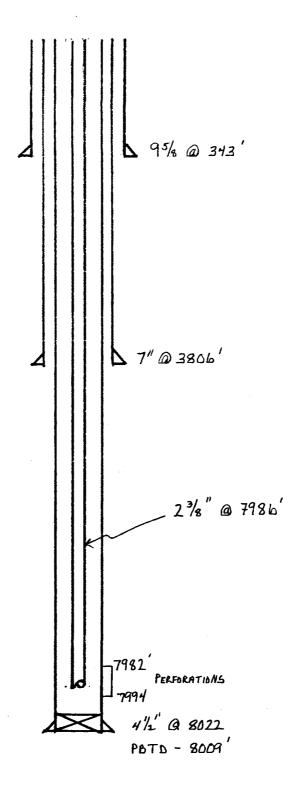
FIRST SALE OF UNITIZED SUBSTANCE 10-27-54

		SCALE 1"= 300	
$\mathbb{Z}$	AUTOMATIC	ELIMINATION	10-27-54

DAKOTA PARTICIPATING	ļ
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| 12 th Expansion 8-1-78

13th Expansion 9-1-78



### STATE OF NEW MEXICO ENERGY MO MINERALS DEPARTMENT

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OIL CONSERVATION DIVISIOD F C P. O. BOX 2088 SANTA FE, NEW MEXICO 87501



JAN2 0 1986

Form C-104

TRANSPORTER OIL						0/1112	0.500	
OPERATOR DAS		REQU	EST FO	R ALLOW	ABLE	OUTCO	N. DIV.	
PROBATION OFFICE		•		MD				•
I.	AUTHORIZ.	ATION TO	TRANS	PORT OIL	_ AND NATU	ral gas DIST	1. 3	
Operator								
Northwest Pipeline Corpo	ration		•					
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P.O. Box 90 - Farmington	, New Mex	ico 87	7499					
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Recompletion	OII			ry Gas	. "			
Change in Ownership	Castngh	eod Gas	KX) c	ondensate				
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If change of ownership give name and address of previous owner								
and address of previous owner					. Eje je i je i se i je			<del></del>
II. DESCRIPTION OF WELL AND L	EASE				•			
Lease Name	Well No. Po	ol Name, inc	cluding F	ormation		Kind of Lease		Lease No.
San Juan 29-5 Unit	88	Basin D	akota			፟፠፠፠፠፠፠፠፠፠፠ <sup>™</sup>	Fee	Fee
Location		<u> </u>						<del></del>
Unit Letter G : 2450	Feet From T	he Nort	h Lin	• and	1850	_ Feet From The _	East	
Line of Section 34 Townsh	1p 29N	Ro	ange	5W	, ММРМ,	Rio Ar	riba	County
III. DESIGNATION OF TRANSPOR	TED OF OU	AND NA	TTIDAT	CAS				
Name of Authorized Transporter of Oil	or Conde		HORAL	Address (	Give address to	o which approved c	opy of this form is	to be sent)
Mancos Corporation						20 - Farmin		37499
Name of Authorized Transporter of Casings	ead Gas	or Dry Gas	XX	Address (	Give address to	o which approved c	opy of this form is	
El Paso Natural Gas Compa	ınv		_				, New Mexico	
4.11		Twp.	Rge.		tually connected		, new nextee	, 0/4//
If well produces oil or liquids,	G 34	29N	5W	1				•
	- 6							<del></del>
If this production is commingled with the	at from any o	fuet lears	or poot,	give comm	angling order	number:		
NOTE: Complete Parts IV and V on	i reverse side	if necessar	ry.					
			!		חוו כר		1 DN 4050 v -	4000
VI. CERTIFICATE OF COMPLIANCE	:				ال ال	DIVISERVATION	DIVISION A	1986
hereby certify that the rules and regulations o	f the Oil Conse	rvation Divisi	ion have	APPRO			-	19
been complied with and that the information giv	en is true and co	mplete to the	e best of			874		
my knowledge and belief.			ļ	BY		3/4	SUPERVISOR DISTRI	<u></u>
			İ	TITLE			JOEEN AUGUST DISTRE	C1 (32 3
$\alpha$			İ	''''				
Carrie Hour	11612		$\mathbb{R}^{\parallel}$	Thi	s form is to	be filed in comp	liance with MULE	1104.
Carrie Harmon Signature	1 (1 /2		72	If t	his is a reque	at for allowable	for a newly drill	ed or deepen.
Carrie Harmon (Signature)  Production & Drilling Clerk  well, this form must be accompanied by a tabulation of the tests taken on the well in accordance with RULE 111.				I the deviati				
(Title)	rK	···-		1			filled out comple	
January 7, 1986				able on	new and reco	empleted wells.		,
			- 11	(P4 4 4				

completed wells.

Fill out only Sections I. II. III. and VI for changes of owns well name or number, or transporter, or other such change of condition Separate Forms C-104 must be filed for each pool in multip

### STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

(Title)

May 29, 1986

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LAND OFFICE			
TRAMSPORTER	OIL		
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### 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

LAND OFFICE	· · · · · · · · · · · · · · · · · · ·		• •	
TRAMSPORTER OIL				
OPERATOR GAS	R	EQUEST FOR ALLO	WABLE	
PROBATION OFFICE	A LITHODIA LATIO	AND	W	
Y.	AUTHORIZATION	N TO TRANSPORT C	IL AND NATURAL GAS	
Operator				
Nouthwest Dineline	Commonstian			
Northwest Pipeline	Corporation			<del></del>
i		07400		
P.O. Box 90 - Farm		o 87499	Other (Please expiain)	<del>- · · · · · · · · · · · · · · · · · · ·</del>
New Well	Change in Transpor		Other (Flease explain)	
		Dry Gas		
Recompletion	<b>F</b> ***	<b>~</b> ₹		
Change in Ownership	Casinghead Ga	La Condensate		
If change of ownership give name and address of previous owner.  II. DESCRIPTION OF WELL.		· · · · · · · · · · · · · · · · · · ·	<del></del>	
Lease Name		ne, Including Formation	Kind of Lease	Legse No
San Juan 29-5 Unit	: 88 Basii	n Dakota	RMMXRMMKM F==	Fee
Location				
Unit Letter G : 2	2450 Feet From The	North Line and	1850 Feet From The East	•
	Township 29N	Range 5W	,ммрм. Rio Arriba	
Line of Section 34	Township 29N	Range 5W	, NMPM. KIO Arriba	County
THE DESIGNATION OF THE	VEDODETT OF OH AND	2 MARTINA E 6 A 6	·	
Mame of Authorized Transporter of		J NATURAL GAS	Give address to which approved copy of this fo	orm is to be sent)
		<b>→</b>		
Four-Four Inc. Name of Authorized Transporter of	Committee Con Con Con Con Con Con Con Con Con Con		). Box 821 - Farmington, NM s (Give address to which approved copy of this fo	87499
<b>]</b>	_	, and the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of		
El Paso Natural Ga			D. Box 990 - Farmington, NM	87499
If well produces oil or liquids, give location of tanks.	G 34	29N 5W	l men	
If this production is commingled	with that from any other I	ease or pool, give con	nmingling order number:	
NOTE: Complete Parts IV as	nd V on reverse side if ne	cessary.		
VI. CERTIFICATE OF COMP	LIANCE		OIL CONSERVATION DIVISIO	N. a n toigh
	/20)			W TO 1305
I hereby certify that the rules and regulation complied with and that the information of the complication of the rules and regulation of the rules and regulation of the rules are required to the rules and regulation of the rules and regulation of the rules and regulation of the rules and regulation of the rules and regulation of the rules and regulation of the rules and regulation of the rules and regulation of the rules and regulation of the rules and regulation of the rules and regulation of the rules and regulation of the rules and regulation of the rules and regulation of the rules and regulation of the rules and regulation of the rules and regulation of the rules and regulation of the rules and regulation of the rules and regulation of the rules and regulation of the rules and regulation of the rules and regulation of the rules and regulation of the rules and regulation of the rules and regulation of the rules and regulation of the rules and regulation of the rules and regulation of the rules and regulation of the rules and regulation of the rules and regulation of the rules and rules are rules are rules and rules are rules are rules are rules and rules are rules are rules and rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules are rules	ulations of the OII Conservation	Division have APP	ROVE	, 19
my knowledge and belief.	nation given is true and complet	e to the best of	Shanker .	
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	THE WAY	TITL	SERVICE DISTRIBUTE N	
$\alpha$	C S	B-		
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<u> </u>	ienatwe)		f this is a request for allowable for a newly this form must be accompanied by a tabula	f drilled or deepen tion of the devise
ے. Production & Drill		// 15 11	taken on the well in accordance with RUL	
<u> </u>	THIS DIESE VA	<b>11.</b> //		

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

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

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

### STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

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DISTRIBUTE	он		
SANTA PE	-		
FILE		$\vdash \vdash$	
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LAND OFFICE		1-1	
TRANSPORTER	OIL		
	GAS		
OPERATOR		1	
PROBATION OF		_	

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

Form C-104 Revised 10-01-78 Format 08-01-83 . Page 1

REQUEST FOR ALLOWABLE AND



I. AUTHORIZATION TO TR	ANSPORT OIL AND NATU	RAL GAS JUN 01	
Operator	<del></del>		
Northwest Pipeline Corporation		OIL CO	
Address		CIST	- 3
3539 East 30th - Farmington, NM 87401			
Reason(s) for filing (Check proper box)  Change in Transporter of	Other (Please	explain)	
New Well Change in Transporter of:	Dry Gas	*.*	
Change in Ownership Casinghead Gas	X Condensate		
	A) Condensate		
If change of ownership give name and address of previous owner			
and sources of previous owner			<del></del>
II. DESCRIPTION OF WELL AND LEASE			•
Lease Name Well No. Pool Name, Includ	ng Formation	Kind of Lease	Legae No.
San Juan 29-5 Unit 88 Basin Dako	ta	\$\$\$\$X\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	Fee
Location			
Unit Letter G : 2450 Feet From The North	_Line and1850	Feet From TheEast	
Line of Section 34 Township 29N Range	5W NMPM	Dia Assile	
Line of Section 34 Township ZYN Range	. МРМ, МРМ	Rio Arriba	County
III. DESIGNATION OF TRANSPORTER OF OIL AND NATU	DAL CAS		
Name of Authorized Transporter of Oil or Condensate	Address (Give address t	o which approved copy of this for	m is to be sent)
Gary Energy Corporation		- Bloomfield, NM	87413
Name of Authorized Transporter of Casinghead Gas or Dry Gas 💢		o which approved copy of this for	m is to be sent)
El Paso Natural Gas Company	P.O. Box 990	- Farmington, NM	87499
If well produces oil or liquids, Unit Sec. Twp. Age			
give location of tanks. G 34 29N	5W		
If this production is commingled with that from any other lease or p	ool, give commingling order	number:	<del> </del>
NOTE: Complete Parts IV and V on reverse side if necessary.		<del></del>	

### VI. CERTIFICATE OF COMPLIANCE

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.

Carrie Haimon
(Signature)
Production & Drilling Clerk
(Title) May 31, 1988

(Date)

OIL CONSERVATION DIVISION

APPROVED	JUN 01 1988
BY	3.1) de
TITLE	SUPERVISION DISTRICT # 8

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

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 MULE 111.

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

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.

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