OIL CONSERVATION COMMISSION P. O. BOX 871 SANTA FE. NEW MEXICO

January 29, 1958

El Paso Natural Gas Company Box 997 Farmington, New Mexico

Attention: Mr. E. S. Oberly

Administrative Order NSL-130

Gentlemen:

Reference is made to your application for approval of an unorthodox well location for your Schwerdtfeger Well No. 12-A to be located 500 feet from the South line and 2350 feet from the Hest line and in the SE/4 SW/4 of Section 6, Township 27 North, Range 8 West, adjacent to the Blanco Mesaverde Pool, San Juan County, New Mexico.

It is our understanding that this unorthodox well location is based upon extreme topographic conditions in the SM/4 of said section.

Inasmuca as you furnished waivers from the offset operators, it is possible for immediate approval to be granted. Therefore, by authority granted me under provisions of Rule 104 (f) of the New Mexico Cil Conservation Commission, you are hereby granted an exception to Rule 1 (c) of Order R-110 as amended by Order R-397 for the above described unorthodox well location. You must also obtain like approval from the U. S. Geological Survey.

Very truly yours,

A. L. PORTER, Jr. Secretary-Director

DSN 1 omg

cc: Gil Conservation Commission, Aztec U. S. Gaplogical Survey, Farmington



GPO 9 18 507

For (1	m 🦫 ?eb. 1	- 381 s 961)	

(SUBMIT IN TRIPLICATE)

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

Land Office	Land O
Lease No. 079319	Lease N
Salmanak Como	

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF IN	ITENTION TO DRILL		SUBSEQUENT REPO	ORT OF WATER SHUT-OFF	X
NOTICE OF IN	ITENTION TO CHANGE PLAN	5	SUBSEQUENT REPO	RT OF SHOOTING OR ACIDIZING	
	ITENTION TO TEST WATER		SUBSEQUENT REPO	RT OF ALTERING CASING	
	ITENTION TO RE-DRILL OR	i	II.	RT OF RE-DRILLING OR REPAIR	
NOTICE OF IN	ITENTION TO SHOOT OR AC	DIZE	SUBSEQUENT REPO	RT OF ABANDONMENT	
NOTICE OF IN	ITENTION TO PULL OR ALTI	R CASING	SUPPLEMENTARY V	YELL HISTORY	
NOTICE OF IN	ITENTION TO ABANDON WEL				
	(INDICATE A	BOVE BY CHECK MARK N	ATURE OF REPORT, NOT	ICE, OR OTHER DATA)	
				February 25	10
'ell No. 14	is located	560 ft. from	s line and	350 ft. from ${W \atop W}$ line of sec	,
Sec. 6		Ein	(၁၂ မိ မ်	N.N.P.N.	
	and Sec. No.)	(Twp.) (R	ange)	(Meridian)	
mico Ex	(Field)	Sen Juni (County or 8		Hew Mexico	
	(11114)	(County of a	abaivision,	(State or Territory)	
2-19-50	i, Rical Depair	ctive sands; show sizes, ing points, and all other		f proposed casings; indicate mudding j	
2-19-50 n 123 jo galar og sk e Ho at	inte 7 5/5°, Journal 100 community 100 commu	ctive sands; show sizes, ing points, and all other conditions.	weights, and lengths or important proposed	f proposed casings; indicate mudding j work) set at 5076° with 100 \$ Gal, fullowed with 5	anck
2-19-50 a 123 jo gular ou sks Neat	i, Total Depth ; Ante 7 5/5°, Journal 100 codin	ctive sands; show sizes, ing points, and all other colors of the colors	weights, and lengths of important proposed asing (5066')	set at 5076' with 100) sack
2-19-50 a 123 jo galar og ska Heat id 1000j	inte 7 5/5°, Journal 100 confin communication of the confinence of	ctive sands; show sizes, ing points, and all other colors of the colors	weights, and lengths of important proposed asing (5066')	set at 5076' with 100 5 Gel, followed with 5) sack
2-19-50 123 jugalar ou ska Heat id 1000j	inte 7 5/5°, Journal, 100 coefficient, 1	ctive sands; show sizes, ing points, and all other colors of the colors	weights, and lengths of important proposed asing (5066') locale and 2	set at 5076' vith 100 5 Gal, followed with 5	ateach
2-19-50 123 jugilar on 5ks Neat id 1000j	that this plan of work mu	ctive sands; show sizes, ing points, and all other colors of the colors	weights, and lengths of important proposed saing (5066') Locale and 2	set at 5076' with 100 5 Gel, fullowed with 5	a secis
2-19-50 a 123 jo gular or ske Neat ld 1000 p of cass understand mpany	that this plan of work mu	ective sands; show sizes, ing points, and all other colors, and all other colors, colo	weights, and lengths of important proposed saing (5066') Locale and 2	set at 5076' with 100 5 Gel, fullowed with 5	a secis
2-19-50 123 jugilar on ska Heat d 1000j	that this plan of work must be plan of work must be the plan of work must be the plan of work must be plan of work	t receive approval in writers. Cas Company	weights, and lengths of important proposed asing (5066') locale and 2	set at 5076' with 100 Gel, fullowed with 5 COM. Survey before operations may be commented as a second se	menced.
2-19-50 n 123 jo gular og ska Heat ld 1000j	that this plan of work must be plan of work must be temperated. Box 997	t receive approval in writers. Cas Company	weights, and lengths of important proposed saing (5066') Locale and 2	set at 5076' with 100 Gel, fullowed with 5 COM. Survey before operations may be commented as a second se	menced.

GPO 9 18 507

Form 9-381 (Feb. 1951)	

i i			
			
l	!	;	!

(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

and Off	ic. Sauta Pt
ansa No	079 11 9
I_ta	Schwardtfagar

	SUNDRY N	OTICES	S AND REP	PORTS ON WEL	LS AND
OTICE OF INT	ENTION TO DRILL		SUBSECUEN	T REPORT OF WATER SHUT-OFF	
	ENTION TO CHANGE PLAN			T REPORT OF SHOOTING OR ACIDIZ	
	ENTION TO TEST WATER	į.		T REPORT OF ALTERING CASING	1
	ENTION TO RE-DRILL OR	1		T REPORT OF RE-DRILLING OR REF	i
	ENTION TO SHOOT OR AC	1	i li	T REPORT OF ABANDONMENT	
-	ENTION TO PULL OR ALTI	1		TARY WELL HISTORY	
	ENTION TO ABANDON WEI	1	Victor	-	
	(INDICATE	BOVE BY CHECK	MARK NATURE OF REPO	RT, NOTICE, OR OTHER DATA)	
				Pobrumry 25	, 19
ell No. 12	-A is located		from ${S \atop S}$ line ar	nd 2350 ft. from W li	ne of sec. 6
Sec. 6		air	Bu	H.H.P.M.	
(⅓ Sec. s	and Sec. No.)	(Twp.)	(Range)	(Meridian)	
woo firt	•		ounty or Subdivision)	(State or Teri	
}}- 56	Total depth Water freshe 5014-5230; \$ v/54,700 gal 25000; avg.	gily'. Front four water war pr. 5	5876-5888; 53 r and 55,000# 00, 700, 850,	Depth 5862'. 18t. 5172-5180; 51 10t-5314; 5368-5356 send. 28 pr. 1700; 1000, 2500;. I. R.	
	Flush 10,400	gallons.	bropped four	ones of 20 balls.	ر ا
					MAKS 1958 11. CON. COI DIST. 3
1 understand	El Pago Make	est receive appr		eological Survey before operations	may be commenced.
p					
	Box 997				
ddress	Box 997				
dress	Box 997	J or Haxie	 &	By ORIGINAL SIGNED	H.E. McANALLY

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE **April 11, 1958**

Operator El Paso Natural Gas	Schwerdtfeger No	o. 12-A
500S, 2350W, 6-27-8	County San Juan	State New Mexico
Formation Mesa Verde	Pool Blanco	
Casing: Diameter 7-5/8 Set Att Feet 5066	Tubing: Diameter 2 ¹¹	Set At: Feet 5344
Pay Zone: From To 5172 5356	Total Depth: 5389	2/28/58 Shut-in
Stimulation Method Sand Water Frac	Flow Through Casing	Flow Through Tubing X

Choke Size, inches	.75		Constant: L2.365	=	5-1/2" line	r 5017 t	o 5388	
Shuttin Pressure, Ca	1045	PSI: 12 =	PSIA 957	Days Shut-In	Shut-In Pressure, Tubir	ng PS	IG - 12 - PSIA 105	7
Flowing Pressure: P	417	PMG - 12	FSIA	429	: Working Pressure: Pw	883	IG + 12 = PSIA	89 5
Temperature: T	54	F n	75		Fpv (From Tables)	1.042	Gravity O	.637

CHOKE VOLUME	Q	С	×	₽,	×	F.	×	Fg	×	Fpv
• . • . • . • . • . • . •										

12.365 x 1057 x 1.0058 x 0.9721 x 1.042 13,314 MCF D

OPEN FLOW Asf Q $\begin{pmatrix} & & & & \\ & 2 & & & \\ & & \frac{P_c}{2} & 2 & \\ & P_c & - P_{w_c} & \end{pmatrix}$

Aof (1117249)

Aof 34,286 MCF D

TESTED BY Jess Goodwin

Checked By: ____Tom Grant



L. D. Galloway

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

CORRECTED COPY

DATE April 11, 1958

Operator			Lease	
El Paso N	atural Gas	3	Schwerdtfeger No	. 12-A
_ acation			County	State
5008 , 235	ow, 6-2	7-8	San Juan	New Mexico
Mesa Verd	e		Blanco	
Tasing: Drameter		Set At: Feet	Tubing: Diameter	Set At: Feet
	7-5/8	5066	2"	5344
ay Zone: From		То	Total Depth:	
	5172	5356	5389	Shut-In 2/28/58
timulation Method	-		Flow Through Casing	Shut-In 2/28/58 Flow Through Tubing
Sand Wate	r Frac			x

Choke Size, Inches	Choke Constant	t: C			
	12	.365	5-1/2" liner 50	17 to 5388	
Shut-In Pressure, Casing,	F315 12 = PSIA	Days Shut-In		PSIG 12 - PSIA	Α
1045	1057	. <u> </u>	1045		1057
Flowing Pressure F	FNG - 12 = PSIA		Working Pressure; Pw	PSIG - 12 = PSIA	Α
417		429	88	3	895
Temperature: T	E		Fpv (From Tables)	Gravity	
54		75	1.042	2	0.637

CHOKE VOLUME	O	Сх	F.	×	F. x	F۵	x	Fnv
C113 (E 1 0 E 0 1 E		~ ^	,	^	1 4 ^	ı y	^	1 P 7

Q 12.305 x 449 x 1.0050 x 0.9721 x 1.042 = 5404 MCF	Q	12.365 x 429 :	x 1.0058 x 0.9721 x 1.042	5404	MCF.
---	---	----------------	---------------------------	------	------

1117249 (3.5330). 25 x 13,316 = 2.5752 x 1314

Aof 13,916 MCF D



rested as Jess Goodwin

WITNESSED 59

Checked By: Tom Grant

L. D. Gelloway