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)

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Company or Operator El Paso Hatural Gas Com	any Lease Huerfano Unit
Well No. 112 (GD) Unit Letter F S 17 T 26	
- Kind of Lease l	State, Fed. or Patented) Federal
County Sen Juan Kind of Lease (Sen Juan Kind of Lease	
Authorized Transporter of Oil or Condensate	Il Paso Natural Gas Products Company
Authorized Transporter of Off or Condensate_	
Address	
Address (Give address to which approved c	opy of this form is to be sent)
Authorized Transporter of Gas El Paso Nata	ral Gas Company
Address Box 997. F	armington, New Mexico
(Give address to which approved c	opy of this form is to be sent)
lf Gas is not being sold, give reasons and also	explain its present disposition.
Reasons for Filing:(Please check proper box)	New Well (X)
Change in Transporter of (Check One): Oil ()	Dry Gas () C'head () Condensate ()
Change in Ownership ()	(Give explanation)
The undersigned certifies that the Rules and Emission have been complied with.	NOV5 1959 OIL CON. COM. DIST. 3
Executed this the 5th day of November	959
	By Original Signed C. D. COX
Approved NOV 2 5 1959 19	Title Fetroleum Engineer
OIL CONSERVATION COMMISSION	Company El Paso Natural Gas Company
By Original Signed Emery C. Arnold	Address Box 997
Title Supervisor Dist. # 3	Farmington, New Mexico

OIL CUNSERVAT	ION COMMIS	SSION
AZTEC INS.	RICT OFFIC	
No. Coules Per	ad 6	
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Programme (Marie Control of the Cont		
State Land Cities		Ì
U. S. G. S.		
Transporter	مدز	
File		

OIL CONSERVATION COMMISSION 1000 Rio Brazos Rd. Aztec, New Mexico

	DATE	11 -	18-5	۶
OIL CONSERVATION COMMISSION	RE:	Proposed	NSP	
BOX 871 SANTA FE, NEW MEXICO		Proposed	NSL	
		Proposed	NFO	
			DC	•
Gentlemen:				
I have examined the application dated 11-6				
for the FPNG Meortano Dail # 112 F	17-	26N-	104	
Operator Lease and Well No. S.	-T-R			
and my recommendations are as follows:				
approve				
Yours very truly,		(
OHUGHSERV ATI ON COM	MISSIO	N		

Form 9-331a (Feb. 1951)				
				_

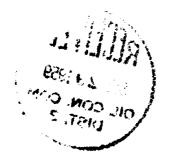
(SUBMIT IN TRIPLICATE) UNITED STATES

Land Office	Santa Fa
Lease No.	078012
Unit Ruer	fono Unit

DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

		ORIS ON WELLS	
	SUBSEQUE	NT REPORT OF WATER SHUT-OFF	
OTICE OF INTENTION TO DRILL	SUBSEQUE	NT REPORT OF SHOOTING OR ACIDIZING	-
IOTICE OF INTENTION TO CHANGE PLAN	CURCEOUF	NT REPORT OF ALTERING CASING	
IOTICE OF INTENTION TO TEST WATER	CURSEONE	NT REPORT OF RE-DRILLING OR REPAIR	
IOTICE OF INTENTION TO RE-DRILL OR	CURSEOUE	NT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO SHOOT OR A	CIDIZLESSES	NTARY WELL HISTORY	
NOTICE OF INTENTION TO PULL OR ALT	CASING TO	CACA	A
NOTICE OF INTENTION TO ABANDON WE	LL		
(INDICATE	ABOVE BY CHECK MARK NATURE OF REP	ORT, NOTICE, OR OTHER DATA)	
·		September 24	., 19. 59
	261	and 1650 ft. from W line of sec.	,
W/4 Sec. 1/ (1/2 Sec. and Sec. No.)	(Twp.) (Kange)	New Mexico	
ildeat	San Juan (County o Subdivision)	(State or Territory)	
(Field)	(County o Educational)		
State names of and expected depths to 9-9-59 Total depth 67 Sallup perf. int. 5033	DETAILS OF W. objective sands; show sizes, weights, and ing points, and all other importants. Compared to the	id lengths of proposed casings; indicate mudding it proposed work) plus at 6504'. Oil fractur	jobs, coment- red Lawer w/30,400 r. 2150-2500
9-9-59 Total depth of Gallup perf. int. 5032 gallons oil and 35,000 I.R. 62.2 RiM. Flush 9-10-59 Total Depth 66 Gallup perf. int. 5656 w/41,500 gallons oil a 2200-2500-3000 I.R.	objective sands; show sizes, weights, an ing points, and all other important of the control of t	ork of lengths of proposed casings; indicate mudding it proposed work) plug at 6504'. Oil fracture. 5872; 5900-5910 w/2 DJ/ft. 1992. pr. 2500g, avg. tr. pr. 1992 plug at 5810'. Oil fracture. 5706; 5762-5776; 5784-5792 1907 pr. 2500g, max. pr. 3400g, avg. SEP 29 1959	red Upper (2/DJ/ft.) vg. tr. pr.
Gallup perf. int. 5032 gallons oil and 35,000 I.R. 62.2 BiM. Flush 9-10-59 Total Depth 67 Gallup perf. int. 5656 w/41,500 gallons oil 3 2200-2500-3000%. I.R	objective sands; show sizes, weights, and ing points, and all other importance of the control of	ork of lengths of proposed casings; indicate mudding it proposed work) plug at 6504'. Oil fracture. -5872; 5900-5910 w/2 DJ/ft. Bax. pr. 2500g, avg. tr. pr. plug at 5810'. Oil fracture. -5706; 5762-5776; 5784-5792 pr. 2500g, max. pr. 3400g, avg. SEP 29 1959 SEP 29 1959	red Upper (2/DJ/ft.) vg. tr. pr.
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Form 9-881 a (Feb. 1951)				

(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Land Office	Saita-fe
Lease No.	
Unit	have no Unit

GL0200.	
SUNDRY NOTICES AN	D REPORTS ON WELLS
NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS.	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING.
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPORT OF SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	· · · · · · · · · · · · · · · · · · ·
NOTICE OF INTENTION TO PULL OR ALTER CASING.	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL.	
	SURVEY
(INDICATE ABOVE BY CHECK MARK N	ATURE OF REPORT, NOTICE, OR OTHER DATA) U. S. GEOLOGICAL SURVEY FATHER COOK, NEW MIXICO
	(N)
	line and ft. from line of sec
(Y Sec. and Sec. No.) (Twp.) (F	tange) (Meridian)
(County or	Subdivision) (State or Territory)
The elevation of the derrick floor above sea leve	el is _ورون ft.
DETAIL	LS OF WORK
(State names of and expected depths to objective sands; show size ing points, and all ot	s, weights, and lengths of proposed casings; indicate mudding jobs, cement- her important proposed work)
Sau date 7-29-99. On 7-30-99 Total Depth 340. Ann S Joints, 10 3/4, 32.750, Armeo sacks regular commut, 25 Cel, 25 Cele circulated to surface.	S. W. casing (321') set at 332' with 195 sium Chloride, 1/2 cu. ft. Strata-Crete "6'/sk.
Bold 5006/30 minutes.	RELEIVED
	NOV1 0 1959
	writing by the Geological Survey before operations may be commenced.
Company	
Address	ORIGINAL SILI ED J.J. TILLERSON
Familiation, 1.4 Mexico	By
	Title
	GPO 862040

Budget	Bureau	No. 4	2-R358.4
Approv	al expire	8 12- 3	31-60.

(Feb. 1951)				

(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Approvatozpito is or or.			
Land Office	Santa	Fe	
Lease No.			
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DETAILS OF WORK ate names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, comenting points, and all other important proposed work) at 3-20-59 flotal Depth 6/95'. at 206 joints 7, 230, J-33 & -0 casing (6/55') set at 6794. Two stage sensiting tool at 2235. First stage 100 sacks regular cement, 100 sacks formit his Gel and 1/4; Flocale per sacks, followed with 50 sacks heat cement. accord stage 35 sacks regular cement, 55 sacks formix with his Geland, 1/4; accord stage 35 sacks regular cement, 55 sacks formix with his Geland, 1/4; accord stage 35 sacks regular cement. Those is a company on second stage at 1440' AUG 31 1959 OIL CON. COM. DIST. 3 I make Matural Gas Company ddress Farmington, New Mexico By ORIGINAL SIGNED J.J. THLERSON	ne elevation of the derrick floor above sea l	level 18Tit.
ate names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, comenting to 1 Depth 6/95. An 206 joints 7, 236, J-37 & N-10 casing (8/65°) set at 5794. Two stope comenting tool at 2235. First stage 100 sacks regular cement, 100 sacks Formith 4% Gel and 1/4% Flocele per sacks, followed with 50 sacks heat cement. Second stage 15 sacks regular cement, 55 sacks formix with 4% Geland 1/4% Flocele per sacks. Held 10008/30 minutes. Report cement by temperature survey on second stage at 1440. Aug 3 1 1959 Oul con. com. Dist. 3 I made Natural Gas Company ddress By Original Signed J.J. Tillerson	DET/	AILS OF WORK
a 3-20-59 Total Depth 6/95. an 206 joints 7, 230, J-50 & N-40 casing (6/65) bet at 6794. Two stage semanting tool at 2235. First stage 100 sacks regular cement, 100 sacks formit 1th 4% Gel and 1/4% Flocele per sacks, followed with 50 sacks heat cement. Second stage 35 sacks regular cement, 55 sacks formix with 4% Celand 1/4% Ce		
I understand that this plan of work must receive approval in writing by the Geological Survey before operations by be commended. El 1960 Metural Gas Company ddress Farainston, New Mexico By ORIGINAL SIGNED J.J. THLERSON		to an inhite and lengths of proposed casings; indicate mudding jobs, coment-
ddress By ORIGINAL SIGNED J.J. TILLERSON Formington, New Mexico By ORIGINAL SIGNED J.J. TILLERSON	a 3-20-59 flotal Depth 6/95 and 206 joints (, 23s, J-55 & M-20 sementing tool at 2235 . First stratch 4% Gal and 1/4s Flocals per second stage 55 sacks regular cents flocals per sack. Held 10008/30 m	o casing (6765') set at 6794. Two stages are 100 sacks regular cessus, followed with 50 sacks heat cessus. So sacks regular vith by celent 1/45 sacks remain with 1/45 sac
Farmington, New Mexico By ORIGINAL SIGNED J.J. TILLERSON	In 3-20-59 fotal Depth 6/95'. In 205 joints 7, 25s, J-55 & N-5 cementing tool at 2235'. First strict 4% Gel and 1/4% Flocals per 8 second stage 55 socks regular cement flocals per sack. Held 1000%/30 to floop of cement by temperature survey. I understand that this plan of work must receive approval to 1000% Natural Case Company	sizes, weights, and lengths of proposed casings; indicate mudding jobs, cement- ill other important proposed work) O Casing (6(6)) but at 6794. Two stage rege 100 sacks regular cement, 100 sacks formi sacks, followed with 50 sacks heat cement. Section of the content with the Geland 1/45 Aug 3 1 1959 OIL CON. COM. DIST. 3
The same the same that the sam	a 6-20-59 Total Depth 6/95. In 206 joints 7, 23a, J-55 & H-6 smenting tool at 2235. First strict 45 Gal and 1/45 Flocele per 6 second stage 55 sacks regular cense. locele per sack. Held 10005/30 m for of cement by temperature survey. I understand that this plan of work must receive approval ompany	o casing (6'65') set at 6794. Two stages 100 sacks regular cessuit, 100 sacks forming sacks forming with 50 sacks heat cessuit. Secks, followed with 50 sacks heat cessuit. Secks remain with the Galant 1/45 sacks remain with the Galant 1/45 sa
	in 0-20-59 Total Depth 6/95. In 205 joints 7, 23s, J-55 & H-5 essenting tool at 2235. First strict 45 Gel and 1/4s Flocels per streecond stage 55 sacks regular cess Flocele per sack. Held 10005/30 m for of cessent by temperature survey I understand that this plan of work must receive approval Company Lago Natural Gas Company ddress	o casing (6'65') set at 6794. Two stages 100 sacks regular cessuit, 100 sacks forming sacks, followed with 50 sacks heat cessuit. So sacks regular cessuit, 100 sacks forming sacks, followed with 50 sacks heat cessuit. So sacks remain with the Geland 1'44. AUG 3 1 1959 OIL CON. COM. DIST. 3

OIL CON. Com

SANTA FE, NEW MEXICO

APPLICATION FOR DUAL COMPLETION

eld Name		County	Date
		Sen Jun	we Neember 6, 1959
ilicat Gallup & Wildcat D	Leas	e	110 (m)
Cation Unit	ection	lownship	Range
· ·	17	~64	104
Has the New Mexico Oil Conservation	Commission here	etofore authorized the dual com	apletion of a well in these same pools or in the same
zones within one mile of the subject	well? YES	NO	
If answer is yes, identify one such in	stance: Order No	o; Operat	tor, Lease, and Well No.:
If answer is yes, recurry			
Fi Pago Hatural Gos C	o Brantano	Init 30. 104 (CD)	
The following facts are submitted:		Upper Zone	Lower Zone
		Opper Zone	
a. Name of reservoir	0-11		Delota
b. Top and Bottom of	Online	Ana a wa t	6570-6636 (Upper Dakota)
Pay Section	1 -	(Upper Gellup)	
(Perforations)	5832-5910	(Lover Gallup)	6668-6714 (Lover Dakota)
c. Type of production (Oil or Gas)	011		G6.8
d. Method of Production			
(Flowing or Artificial Lift)			Floring
The following are attached. (Please	mark 1 BO 01410)	•	
List all offset operators to the lease	on which this we	ell is located together with the	
			WOV - COMP
			Lief /
			The same of the same
			VES NO If answer is ves. give de
. Were all operators listed in Item 5 a of such notification	bove notified and	furnished a copy of this applic	cation? YES NO If answer is yes, give de
CON	manyi, and mat i	am accuminated by the	y to make this report; and that this report was prepared
nder my supervision and direction and	that the facts sta	ated therein are true, correct ar	nd complete to the best of my knowledge.
-			NAL SIGNED E.S. OBERLY
		UKiG	Signature
		ampany on annihoption for admi	
Commission will hold the appli	cation for a perio	od of twenty (20) days from date	inistrative approval, the New Mexico Oil Conservation te of receipt by the Commission's Santa Fe office. If,
- free : I among under paried in	o protest not redu	lest for hearing is received by	the Santa Fe office, the application will then be proce

NOTE: If the proposed dual completion will result in an unorthodox well location and/or a non-standard proration unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

CONTRACTOR OF THE STAR OPEN FLOW TEST DATA

	DUAL	COMPLETION		TATE Oc	tober 21,	1959
nziet on		17-26-10		Huerfano Unit No.	112 (D)	New Mexico
Dakota	• •	jer At Foe		Undesignatéd.	Jer Att	
** j	7		6794	2	1	6719
a v	6570	ī ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	6714	1 maard und 6 795 ≡/o 6758 Çefek		In: 10/6/59
Sand Oil	Frac					
	76	Charle Con	12.365		,	
ing in the strategic wife in w∩	.75 1031	(Gal) 1043	3 15	1127 (Dak)	moid 1 HaiG + 12	1139
A , endss Teanard A, T	75		87	Calc.	 Grevi	181
71 5 · .	69	·-·	•75	1.011		•75
Initial Final	SIPT SIPC	(Gal) = 199] (Gal = 1057 pa	psig sig	Packer at 6693'		
30K5 - 01 - 111		· *.	La Fair & Fair		061	MCE 1

12.365 x 87 x .9915 x .8944 x 1.011

964

MCF D

1.0259.78 x 964 = 1.0193 x 964 1264560

983

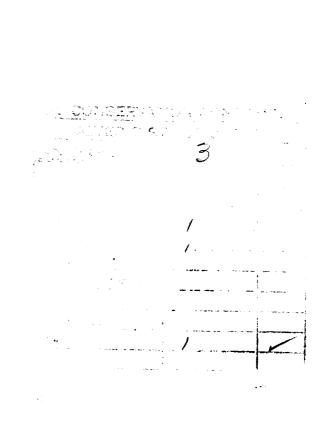
S. V. Roberts and Bill Dawson

AUTHOR DESCRIPTION OF THE PROPERTY OF THE PROP

NEW MEXICO OIL CONSERVATION COMMISSION NORTHWEST NEW MEXICO PACKER - LEAKAGE TEST

FORM PL-NW-1 REVISED 6-1-59

IN SOUTHEAST NEA	MEXICS				
Operator		. τ	_ease		Well No.
	ural Gas Company	,	Huerfano Un		112 (DG)
Location of Well:	Twp 26 Rge 1	Courty:	tion Initial.	10/51/26 7	innual.
	theservoir or Pool	O.Lor Gas	Flowing or Artificial Life	Produc	one Casing of Lucing
COMPLETION: GE		25.479	Purming		Tubing
LOWER Name of	Re or dror Food	OH or list	Flowing of Artificial Life	t Produc	cing Casing or Tubing
COMPLETION: Da	kota	Gas	Flowing	<u> </u>	Tubing
	SHUT - IN	PRESSURE DAT	TA BEFORE FLOW	TEST NO. 1	
UPPER Here		Length of I			Secret Pressure
COMPLETION: 10				il (C), <u>199</u> (T) Dressue, PSIG	KANNOE NO)
LOWER	Table Restriction				Standard Pressure
COMPLETION: 10	0/6/59	15	days	1127	
FLOW TEST NO. 1			(i.e. r Lower)	Hour & Da	
. LEGM LEST NO. 1			Lower	1	10/21/59
LAPSED TIME SINCE FLOW BEGAN		RKING COLIIMN Essure, Peic	FILL WING ZONE FAESSURE, PSIG	TEMPERATURE	KEMARKS
SINCE PEON BE JAIL		- •		·	-
15	1045				
30 45	1043			7 2	
4 5 60	1042 1041			69 6 8	
180		Calc. 169	75	69	
	_ ,,	-			
	grand and the second	t e	ci. Rate	Gravity	as Oil Reti
OIL PRODUCED			Bbi. F		
GAS PRODUCED	Report Form Tes				
REMARKS:	964 MCT D (C)	HOK!! SECURIOR!			- •
Ran 1	bottom hole bomb	to 5896 ' in	Gellup tubing - 1	Initial and fir	nal BHP = 1260 psig.
					and the second s
•	11 - TUH2	N PRESSURE DA	TA BEFORE FLOW	TEST NO. 2	
14	. Canatein	and the second	Ship of	Pressure, PSIG	State : Pressure
OI 1 EIN	0/6/59	22 days	s EP	c (G) 558	** Xyerx ar Zo)
LOWER	Shut-it.	gjeta i	Shut a	.Pressur PSIG BHB T (D) 1119, 17	P Statisself Pressure
COMPLETION: 1	.0/21/59	7 days			and the second of the second o
FLOW TEST NO.	2	_	Tree or Lower	Hour & D	10/2 3/5 9
		i Brins Column	Jpper -UT-IN ZONE	FLOWING	REMARKS
HEAPSED TIME SINCE FLOW \$ 1944.	PRESSURE, PS.G PR		- AESSURE, PSIG	TEMPERATURE	THE WATER
•	· · · · · · · · · · · · · · · · · · ·	- ·	ermm (n) 1350		TELEIN V
24 hrs.	667		SIPT (D) 1152 BHBP 1774		KLLLIVED \
			war zii.		
				(:	NOV 5 1959
				V	OIL CON. COM./
	i				DIST. 3
				<u> </u>	
	Total Pols. Nu	mher Hours			as Oil Ratio
OIL PRODUCED	141	24	141 Bbl.	D 39.1	1738
GAS PRODUCED	MCF D (C	Thoke or Meter)			
REMARKS Bot		Color t des Dales	ta tubing for 24	hours period	with pressure
incres	sing from 1770 li	o. to 1774 lb.	BHI Was 105 F.	Gallup zone	was pumping through
tubing	. Test period wa	as 10/28 to 10	729/59•		
The results of th	is test indicate (No	Packer Leakage)	(Provinced explored) in	this well.	
!			s true and complete		knowledge.
I hereby certify t	nat the information b	icicin contained	. The mor comprese		,
	,	,	OPERATOR	El Paso Netu	ral Gas
Approved	//-	5 19 59		A-1 +	a. Lui
NEW	MEXICO OIL CONSERVA	TION COMMISSION	BY	H. L. Kand	rick
	Emerye Ch	n Cell	TITLE	Gas Engine	7
				11/4/59	
	Supervisor Dist. # 3			14/7/17	



SCHEMATIC DIAGRAM OF DUAL COMPLETION El Paso Natural Gas Co. Haerfano Unit No. 112 (GD) NW/4 Section 17, T-26-N, R-10-W

