NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Po	ol Antel	ope Rids	38	F	ormatio	n <u>Penr</u>	١, ′		County_	La	a
Initial x Annual_				· .	Special			Date of Test July 16-20, 1963			
Co	mpany Sh	ell 011	Company		—	_Lease	Federal.	"BE"	We:	11 No	1
Un:	it <u>B</u>	Sec4	Twp	24	-S R	ge • <u>34</u> -	E Purc	haser	None		
Ca	sing 7 5/8"	Wt. 39.	<u>o</u> _1.D.	6.	625 Se	et at 11	.423 Pe	rf <u>12</u>	.8981	_To	13,153'
Tul	bing 2 1/2"	Wt6.	5 I.D.	2.	441Se	et at_12	,590' 129' Pe	rf		_To	
	2"	4.	.7	1.	995	12	.780'				88. 13.2
	oducing Thru		-					-			
Dat	te of Comple	tion:	July 20	19	63 Packe	r 1	Sin 2 780	gle-Brade Reserve	enhead-G. oir Temp.	G. or (G.O. Dual
	•	-			(Applica		/ED DATA	···········	• •		
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165	sted Through	·			(Meter)				Type Tap		1ga.
	, , , , , , , , , , , , , , , , , , , 	F]	low Data				الكسيب المسيسي	Data	Casing D	ata	i
No.	(Line)	(Orifi	ce) ps	88.	Diff.			Temp.	1	į.	of Flow
SI	Size	Siz	e ps	sig	h _w	o _F .	psig		psig	³F.	
	ļ	+					7196	86	Packer		7
1.	4"	3.00		00_	8.0	_36	69.35	90		 	
2. 3.	4"	3.00		00_	30.0	68	6550	91		-	2
	4"	3.00		00	42.0	58	6320	94		<u> </u>	2
<u>4.</u> <u>5.</u>	4"	3.00		00	60.0 17.0	<u>46</u> 72	5920 6770	97 94		 	21
No.	(24 - Ho:	Coefficient (24-Hour) $\sqrt{h_W}$		Pressure psia				Gravity Factor Fg	Facto F _{pv}	r	Rate of Flow Q-MCFPD @ 15.025 psia
1. 2. 3.	66.67		70.03			1.0239		1.000	1.064		5,036
3	66.67		135.63		13.2	9924		1.000	1.052		9,439
7.		66.67 160.				1.0019		1.000	1.055		11,310
4.			191,81 102,15			1.0137 9887		1.000	1.059		13,728 7,075
Grav:	Liquid Hydro ity of Liqui 6.093	d Hydro	carbons	48,	28	cf/bbl. deg.		Speci. Speci		ty Flow	rator Gas <u>600</u> ing Fluid783
No.	Pt (psia)	P _t ²	F _c Q		$(F_cQ)^2$	(1	cQ) ² -e-s)	P _w 2	P _c -P _w ²	Ca P	P _C
1. 2.	6948.2	48,277	30.989		960.3		3.3	48,680 44,464	3292	6977	
	6563.2				3307.6		1389.2		7508	6668	
3.	6333.2 40.109 68.912		4748.9			42,103	9869	6488			
4. 5.	5933.2 6783.2	35,203 46,012	83.645 43.114		6996.5 1858.8		0.7	38,141 46,793	13831 5179	6175	
Abso COMI ADDI AGEN WITH	olute Potent PANY_ RESS_ WT and TITLE RESSED_	ial:Shell 	38.00 011 Com Box 185	o pan	yRoswall	MCFPD;	n <u>729</u>				
COM											

REMARKS

GAS WELL BACK PRESSURE CURVE

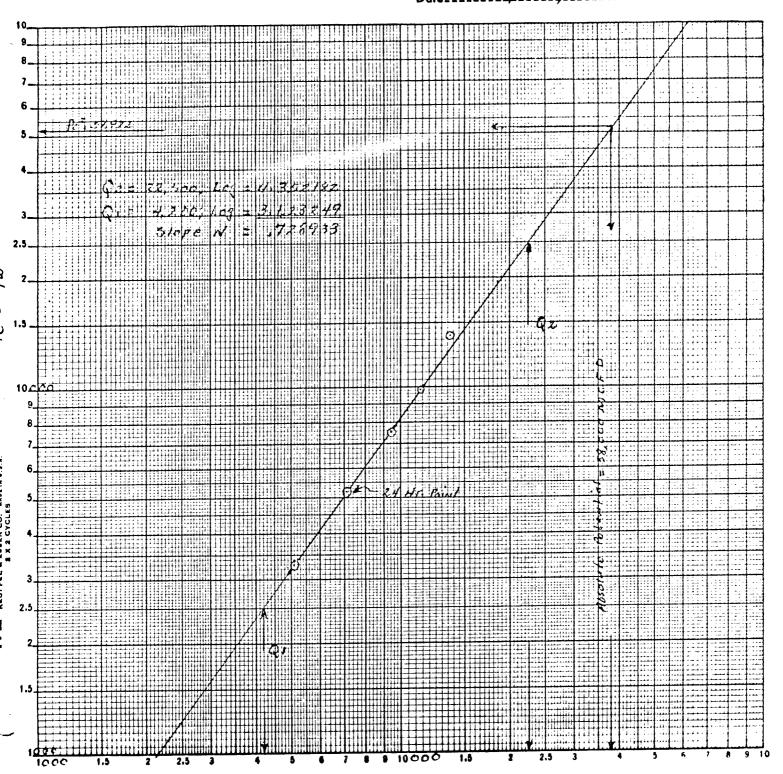
County LIM Field ALLULICES. SCHOOL

Operator SHILL OIL COUNTRIES

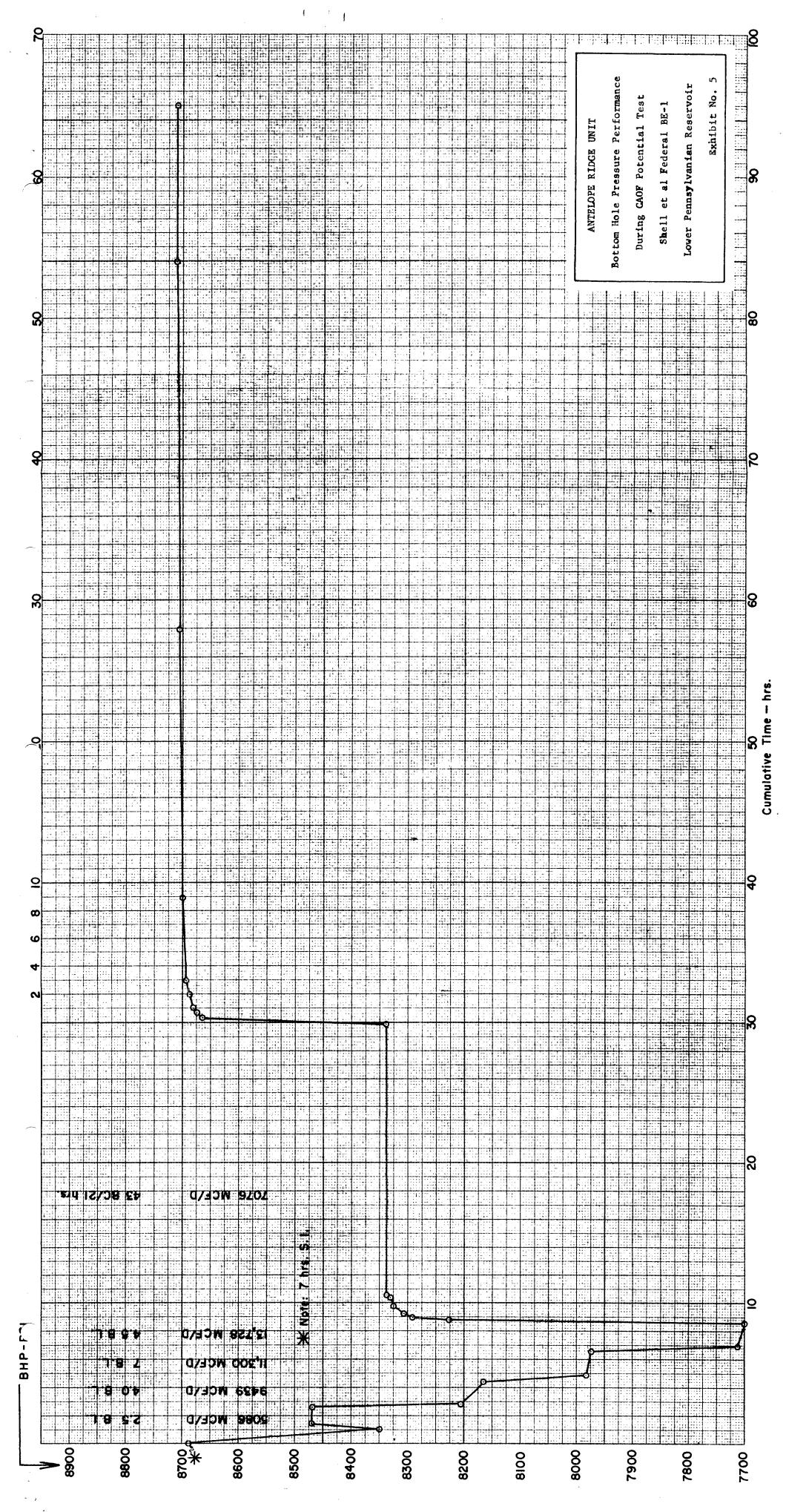
Lease JIDIRAL Well No.1.

Volume 38, QCQ MCF/24hr.

Date JLILY 20, 1963



Q- MCFD - 15.025 psia





SHELL OIL COMPANY

P. O. Box 1898 Rossell, Nor Mexico

April 29, 1963

Subject: Les County, New Mexico

Antelepe Ridge Unit No. 14-08-0001-8492 2719

Man defice occ

United States Geological Survey P. G. Brawer 1857 Rosvell, Now Mexico

Attentions Mr. Carl Trayvick

Gentlemen:

You have requested that we furnish three additional copies of the Compost and Batifichtion Agreements executed by George H. Carter, (Tract 3) Channing Brown, et ux, (Tract 7) J. Hiram House, et ux, (Tract 15) and Faul J. Stout, et ux, (Tract 15) and they are enclosed.

Now also asked that we explain what interest Moore and Stout sequired under Tract 15 so you may smell Exhibit B secondingly. Havell and Ellie Spears conveyed a 1/64th (1.9655) interest to J. Hirem Moore. Shows V. and Elsie L. Marriman conveyed a 5/64th (7.81855) interest to Famil J. Stout. Since our letter of February 8, 1963, Spears, at ux, conveyed a 1/66th (1.96855) interest to Roy Earten Jr. (We are emclosing four explose of Earten's Outsent and Ratification for your files as this agreement has not previously been functioned.) All of these conveyences were made before we could facord the granters Consent and Ratification Agreements and consequently the new quantum had to be contacted after the unit agreement was prepared and being approved. The royalty constraint under Tract 15 should therefore be changed to read as follows:

Harin H. and Histo L. Herriman -- 15.60505 Howell and Hilto Spears -- 9.37505 J. Hiram and Butty Motro -- 1.56255 Paul J and Butty J. Stort -- 7.81255 Roy Barton, Jr. -- 1.96255

We now have obtained jointer of George H. Hunker, et ux, under Tract 16 and four espine of their Batification are enclosed. Shell Oil Company purchased the minerals evend by L. B. Hodges under their tract and four espice of the Compant and Batification executed by Shell are also employed which now makes this tract fully committed.

If there is anything further that you need in this regard, please do not hesitate to call on us.

Yours very truly,

0. V. Larrence

Rossell Division Land Manager

ea: Countesioner of Public Lands

P. O. Den 791

Santa Pe, New Mexico

Attention: Mrs. Marion m. Rhea, Supervisor, Unit Division (Copies of Commont and Batification Agreements by Shell, Hunker and Barton are enclosed and they will complete your file.)

cc: New Nextee Gil Conservation Commission
P. O. New S71
Santa Po, How Mexico
(Copies of Consent and Patification Agreements by Carter, News,
News, Stout, Shall Reservation are enclosed and they will
complete your file.)

ec: Continuetal Gil Company
Petroleum Bailding
Reswell, Bur Marieo
(Copies of Compant and Ratification Agreements by Moore, Stout,
Shell, Banker and Barton are exclosed and they will complete your
file.)

STATE OF NEW MEXICO () COUNTY OF
KNOW ALL MEN BY THESE PRESENTS: That,
WHEREAS, under date of
WHEREAS, the undersigned are the owners of an oil and gas interest in and to the following described land, to-wit:
Lot 1, Southeest 1/4 Mortheast 1/4 and Past 1/2 Southeest 1/4 of Section 3, Township Sh-South, Range 34-East
which land is described as Tract No in Exhibit "B" to said unit agreement, and the undersigned are desirous of commiting said interest to said unit agreement as provided by Section thereof, and of ratifying said unit agreement; NOW, THEREFORE, the undersigned do mereby consent to and ratify and con-
firm all of the terms and provisions of said unit agreement, and do hereby commit said interest to said unit agreement exactly as if the undersigned had originally executed said unit agreement or a counterpart thereof.
EXECUTED this Harmon , 1962.
STATE OF COLUMN (
The foregoing instrument was acknowledged before me this Held day of Document, 1962, by George N. Carter, a single man
My Commission Expires Notary Profic in and for Name County, Coloredo
ACCEPTANCE AND APPROVAL BY WORKING INTEREST OWNER AND UNIT OPERATOR ONE OF THE PERSON OF THE PERSO
The undersigned, Outlier interest owner with respect to the above committed interest, and,
approve the above and foregoing Consent and Ratification.

Dated this 26th day of December , 19 62 .

UNIT OPERATOR:

By: V. Laurence

Str.

STATE OF NEW MEXICO () COUNTY OF	
KNOW ALL MEN BY THESE PRESE	INTS: That,
agreement for the development and ope unit area was entered into by and bet interests, and said agreement was receipt on the said agreement and ope unit area was entered into by and bet interests, and said agreement was receipt on the said agreement was received agreement was receipt on the said agreement was r	that certain unit eration of the
WHEREAS, the undersigned ar and to the following described land,	re the owners of an oil and gas interest in to-wit:
Northwest 1/4 Southwest 1/4 of Range 34-Mast	Section 4, Township 24-Bouth,
agreement, and the undersigned are de	in Exhibit "B" to said unit sirous of committing said interest to said thereof, and of ratifying said unit
firm all of the terms and provisions	gned do hereby consent to and ratify and con- of said unit agreement, and do hereby commit exactly as if the undersigned had originally interpart thereof.
EXECUTED this day of	Cancing Brown
STATE OF TEXAS COUNTY OF A RECOUNTY	Acnes Brown
The foregoing instrument wa	s acknowledged before me this 12 day of Brown
My Commission Expires	Notary Public in and for
INTEREST OWN	D APPROVAL BY WORKING ER AND UNIT OPERATOR
The undersigned Continents	al Oil Company
working interest owner with respect t	o the above committed interest, and, unit operator, do hereby accept and
approve the above and foregoing Conse	nt and Ratification.
Dated this day of	December: , 19
UNIT OPERATOR:	WORKING INTEREST OWNER: CONTINENTAL OIL COMPANY
By: M. J. Janes	Bv: ()

STATE OF NEW MEXICO () COUNTY OF (
KNOW ALL MEN BY THESE PRESENTS: That,
WHEREAS, under date of
WHEREAS, the undersigned are the owners of an oil and gas interest in and to the following described land, to-wit:
Hots 3 and 4, South 1/2 Morthwest 1/4, Southwest 1/4 of Section 3, Township 24-South, Range 34-East
·
which land is described as Tract No in Exhibit "B" to said unit agreement, and the undersigned are desirous of committing said interest to said unit agreement as provided by Section thereof, and of ratifying said unit agreement;
NOW, THEREFORE, the undersigned do hereby consent to and ratify and confirm all of the terms and provisions of said unit agreement, and do hereby commit said interest to said unit agreement exactly as if the undersigned had originally executed said unit agreement or a counterpart thereof. January 63
J. Hiram Moore Betty moore
STATE OF NO MEXICO) COUNTY OF LEA
The foregoing instrument was acknowledged before me this 8th day of The foregoing instrument was acknowledged before me this 8th day of The foregoing instrument was acknowledged before me this 8th day of The foregoing instrument was acknowledged before me this 8th day of The foregoing instrument was acknowledged before me this 8th day of The foregoing instrument was acknowledged before me this 8th day of The foregoing instrument was acknowledged before me this 8th day of The foregoing instrument was acknowledged before me this 8th day of The foregoing instrument was acknowledged before me this 8th day of The foregoing instrument was acknowledged before me this 8th day of The foregoing instrument was acknowledged before me this 8th day of The foregoing instrument was acknowledged before me this 8th day of The foregoing instrument was acknowledged before me this 8th day of The foregoing instrument was acknowledged before me this 8th day of The foregoing in the fo
My Commission Expires Notary Public in and for Lea County, Nov. New Mexico
ACCEPTANCE AND APPROVAL BY WORKING INTEREST OWNER AND UNIT OPERATOR
The undersigned Shell Oil Company , working interest owner with respect to the above committed interest, and, unit operator, do hereby accept and approve the above and foregoing Consent and Ratification.
Dated this9th day of, 19_63 .
UNIT OPERATOR: WORKING INTEREST OWNER:

STATE OF NEW MEXICO () COUNTY OF LEA
KNOW ALL MEN BY THESE PRESENTS: That,
WHEREAS, under date of
WHEREAS, the undersigned are the owners of an oil and gas interest in and to the following described land, to-wit:
Lots 3 and 4, South 1/2 Northwest 1/4, Southwest 1/4 of Section 3, Township 24-South, Range 34-East
which land is described as Tract No. 15 in Exhibit "B" to said unit agreement, and the undersigned are desirous of committing said interest to said unit agreement as provided by Section 29 thereof, and of ratifying said unit agreement;
NOW, THEREFORE, the undersigned do hereby consent to and ratify and confirm all of the terms and provisions of said unit agreement, and do hereby commit said interest to said unit agreement exactly as if the undersigned had originally executed said unit agreement or a counterpart thereof. EXECUTED this 12 May of December 1962
EXECUTED this /2 day of December 1962
STATE OF NEW MEXICO (COUNTY OF Lee)
The foregoing instrument was acknowledged before me this/2 day of
My Commission Expires 9-9-64 Notary Public in and for County, New Mexico
ACCEPTANCE AND APPROVAL BY WORKING INTEREST OWNER AND UNIT OPERATOR
The undersigned Shell Oil Company working interest owner with respect to the above committed interest, and Shell Oil Company , unit operator, do hereby accept and approve the above and foregoing Consent and Ratification.
Dated this 21st day of December , 1962 .
UNIT OPERATOR: WORKING INTEREST OWNER:

STATE OF NEW MEXICO COUNTY OF LEA

KNOW ALL MEN BY THESE PRESENTS: That,

WHEREAS, under date of December 3, 1962, that certain unit agreement for the development and operation of the Antelope Ridge unit area was entered into by and between the owners of certain oil and gas interests, and said agreement was recorded on the 11th day of December , 19 62 , in Volume 193 , at Page 121 of the Records of Lea County, at Page 121 of the Records of Lea County,
New Mexico, and reference is hereby made to the same for all purposes, and the undersigned hereby acknowledges receipt of a copy of said agreement, and

WHEREAS, by virtue of that certain mineral deed dated March 21, 1963, executed by L. B. Hodges and wife, Willie G. Hodges, the undersigned is the owner of a one-fourth mineral interest in and to the following described land, to wit:

Lot 3, S-1/2 NW-1/4, NE-1/4 SW-1/4 Sec. 4, T-24-S, R-34-E

which land is described as Tract No. 16 in Exhibit "B" to said unit agreement, and the undersigned is desirous of committing said interest to said unit agreement as provided by Section 29 thereof, and of ratifying said unit agreement:

NOW, THEREFORE, the undersigned does hereby consent to and ratify and confirm all of the terms and provisions of said unit agreement, and does hereby commit said interest to said unit agreement exactly as if the undersigned had originally executed said unit agreement or a counterpart thereof.

EXECUTED this 21 day of march

SHELL OIL COMPANY

STATE OF TEXAS COUNTY OF MIDLAND 0

Before me, the undersigned authority, on this day personally appeared J. V. Lindsey, known to me to be the person whose name is subscribed to the foregoing instrument as Attorney in Fact for Shell Oil Company and acknowledged to me that he executed the same for the purposes and consideration therein expressed, and as the free act and deed of said Shell Oil Company in the capacity therein stated.

Given under my hand and seal of office this 1st day of family, 1963.

My Commission Expires:

June 1, 1963

Notary Public in and for Midland County, Texas

Notary Public in and for Midland County, Texas

ACCEPTANCE AND APPROVAL BY WORKING INTEREST OWNER AND UNIT OPERATOR

The undersigned SHELL OIL COMPANY, working interest owner with respect to the above committed interest, and SHELL OIL COMPANY, unit operator, does hereby accept and approve the above and foregoing Consent and Ratification.

Dated this 21 day of March

WORKING INTEREST OWNER: SHELL OIL COMPANY

By Attorney in Fact

UNIT OPERATOR: SHELL OIL COMPANY

By

Attorney in Fact

CONSENT AND RATIFICATION
STATE OF NEW MEXICO (COUNTY OF
KNOW ALL MEN BY THESE PRESENTS: That,
WHEREAS, under date of
WHEREAS, the undersigned are the owners of an oil and gas interest in and to the following described land, to-wit:
Lot 3, South 1/2 Morthwest 1/4 and Northeast 1/4 Southwest 1/4 of Section 4, Township 24-South, Sange 34-East
which land is described as Tract No in Exhibit "B" to said unit agreement, and the undersigned are desirous of commiting said interest to said unit agreement as provided by Section thereof, and of ratifying said unit agreement;
NOW, THEREFORE, the undersigned do hereby consent to and ratify and confirm all of the terms and provisions of said unit agreement, and do hereby commit said interest to said unit agreement exactly as if the undersigned had originally executed said unit agreement or a counterpart thereof.
EXECUTED this 280 day of Jebruary, 1963.
George R. Bunker Margaret K. Bunker STATE OF MEN MEXICO
The foregoing instrument was acknowledged before me this 20 day of
March, 1962, by George H. Hunker and vife, Margaret K. Hunker
My Commission Expires Action Motory Public in and for Chaves County, New Maxico
ACCEPTANCE AND APPROVAL BY WORKING INTEREST OWNER AND UNIT OPERATOR
The undersigned SPLL OIL COPANY working interest owner with respect to the above committed interest, and
Dated this 20th day of, 1963 .

UNIT OPERATOR

COUNTY OF
KNOW ALL MEN BY THESE PRESENTS: That,
WHEREAS, under date of, 19, that certain unit agreement for the development and operation of the
unit area was entered into by and between the owners the certain and gas interests, and said agreement was recorded on the, aday of, at Page of the Records of
19 , in Volume, at Page of the Records of County, New Mexico, and reference is hereby made to the same for the purposes, and the undersigned hereby acknowledge receipt of a copy of said agreement, and
WHEREAS, the undersigned are the owners of an oil and gas interest in and to the following described land, to-wit:
Lots 3 and 4, 8-1/2 MM=1/4, SM-1/4 of Section 3, T-24-8, R-34-E
which land is described as Tract No in Exhibit "B" to said unit agreement, and the undersigned are desitous of committing said interest to said unit agreement as provided by Section thereof, and of ratifying said unit agreement;
NOW, THEREFORE, the undersigned do hereby consent to and ratify and confirm all of the terms and provisions of said unit agreement, and do hereby commit said interest to said unit agreement exactly as if the undersigned had originally executed said unit agreement or a counterpart thereof.
EXECUTED this 26th day of Lik., 1963.
X Pour St Rate
My word gr
STATE OF COUNTY OF NEW TEXTCO
The foregoing instrument was acknowledged before me this 26th day of
My Commission Expires Notary Public in and for
MY COMMISSION EXPIRES DEC. 8, 1963 County, New Mexico
ACCEPTANCE AND APPROVAL BY WORKING INTEREST OWNER AND UNIT OPERATOR
The undersigned, working interest owner with respect to the accese committed interest, and
, unit operator, do hereby accept and
approventile above and foregoing Consent and Ratification. Dated this 28 day of Menuary, 19.
UNIT OPERATOR: WORKING INTEREST OWNER:
WORKLING INTEREST OWNER:
By: U. V. Williams By: O. V. Jaustinel