RAILROAD COMMISSION OF TEXAS OIL AND GAS DIVISION.

OIL AND GAS DOCKET NOS. 108, 120, 123, 124, 125, 126, 128, 129, 132, and 146

#20 - 18,604

IN RE: CONSERVATION AND PREVENTION OF WASTE OF CRUDE PETROLEUM AND NATURAL GAS IN THE STATE OF TEXAS

> Austin, Texas June 27, 1950

SPECIAL ORDER

AUTHORIZING AND PERMITTING DUAL COMPLETIONS OF OIL AND/OR GAS WELLS IN THE VARIOUS FIELDS IN THE STATE OF TEXAS AND PRESCRIBING THE PROCEDURE AND REQUIREMENTS TO BE FOLLOWED

WHEREAS, From time to time, the Railroad Commission of Texas has held numerous hearings on various oil fields in Texas and upon various wells located therein in order to determine the feasibility of permitting dual completion and production of said oil and/or gas wells; and

WHEREAS, Pursuant to many of said hearings and the record there made, reference to all of which is here made, the Commission found that there existed in many oil and/or gas fields in Texas separate and distinct non-communicable reservoirs and that wells drilled thereto, when properly completed, could be safely and non-wastefully produced as dually completed wells, all without adversely affecting greatest ultimate recovery; and

WHEREAS, The Railroad Commission of Texas, on May 16 and June 1, 1950, respectively, held a hearing upon certain named fields in the State of Texas, which said fields are set out in Hearing Notice No. 20-18,137 and also in "Notice to All Oil and/or Gas Operators in the State of Texas," dated May 24, 1950, in order to determine whether any or all of the fields and reservoirs therein named were susceptible of non-wasteful dual completion and production of wells drilled thereto; and

WHEREAS, The Commission finds, pursuant to all of said hearings and particularly the hearings of May 16 and June 1, 1950, that there exists separate and non-communicable reservoirs in many oil and/or gas fields in the State of Texas which are feasibly and reasonably susceptible of having dually completed and producing wells drilled thereto and therein, and that proper and reasonable administration of the conservation statutes of this State support an action by the Commission designating certain named fields and reservoirs therein which have been previously recognized by the Commission, after full notice and hearing, as being non-communicable reservoirs, as being feasible for dual completions, and. that such a blanket order permitting dual completions in those zones and within the framework of the hereinafter prescribed procedure is both necessary and feasible.

THEREFORE, IT IS ORDERED By the Railroad Commission of Texas that all those fields and reservoirs specifically named hereinbelow will be recognized as being feasible for dual completions of wells drilled thereto without separate hearings upon each application, provided that the applicant for such permission will file for approval of the Engineering Department of the Commission the following data:

- (1) Diagrammatic sketch of dual completion installation.
- An electrical log of the subject well or a type electric log showing clearly thereon the subsurface location of the separate reservoirs claimed.
- (3) An affidavit that the reservoirs sought to be dually produced have been theretofore designated by the Commission as separate reserve voirs after due notice and hearing.
- (4) Affidavit of packer setting.
- (5) Packer leakage test upon form prescribed by the Commission.
- (6) Either waiver of offset operators or evidence that notice of the request has been given to the said operators.

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RESERVOIRS	SLEICL LIEID

TABLE NO. I (Continued)

DISTRICT	FIELD	RESERVOIRS
4 (Cont'd)	La Reforma	"C" zone; "G-1" zone
,	Longhorn, South	Hiawatha; Upper Cole
	Los Indios	"J" zone: "M" zone; "N" zone; "P" zone
	Magnolia City, North	Bennett; Evetts; Jones; Presnall
	Mercedes	6900; 7000; 7050; 7150
	Odem	3100; 3500; 4400; 5300; 5400 "B & C"; 5400 "D"; 5500
	Portillo	7400; 8100
	Riverside	4800' (gas); 6900' (gas)
	Saxet Deep	Lower 6500; Upper 6600; 6900; Weil (7400); Talbot; Willis; McAllen
	Seeligson	Zones 10; 12; 13-A; 14-B; 15; 16; 17; 18-B; 19-B; 19-C; 19-D; 20
	Sheridan	"L" zone; "P5Q" zone (Injection only)
	Southland	Teddlie; Pettus; Upper Cole; Lower
		Cole; Walstead
	South Weslaco	7400; 8100; 8300; 8600; 8900; 9000
	Tijerina-Canales-Blucher	Mary; Marie; Conrad; 3rd Tijerina; Margaret; Claude; Charles; Richard; Carl; 6200'; 6900'; 7900'
	White Point, East	Fickey; Cole; Brigham; Heep; 3900'
5 & 6	New Hope	Bacon; Hill; Pittsburg; Elledge
	North Lansing	Rodessa-Young; Travis Peak
	Tennessee Colony	Upper & Lower Rodessa Zones
	Waskom	Travis Peak; Rogers (Oil Zones)
8	Andector Fields	McKee; Waddell
	Bedford	Devonian & Ellenberger
	Dollarhide	Clearfork; Ellenberger
	Dollarhide, East	Clearfork; Ellenberger
	Embar Fields	Ellenberger; Permian
	Flanagan	Clearfork; Devonian; Ellenberger
	Robertson	Devonian; Ellenberger
:1	Shafter Lake	Devonian; Wolfcamp
	TXL	Devonian; Silurian; Ellenberger
	Weiner Colby	Yates & Weiner Colby
	Wheeler	Devonian; Silurian; Ellenberger
9	Walnut Bend	2600; Hudspeth; Cox; Walnut Bond; Bruhlmeyer
	Fargo	Cisco (3200); Canyon (3900); Strawn (4400)

IT IS FURTHER ORDERED By the Commission that this order may, at any time, be amended by the Commission in such a manner as would delete and withdraw from the operation hereof any reservoir or reservoirs or field hereinabove named, and further that after due notice and hearing, any additional field or reservoirs therein located may be added hereto.

RAILROAD COMMISSION OF TEXAS

W. J. Murray, Jr., Chairman

Ernest O. Thompson, Commissioner

(SEAL)

ATTEST:

O. D. Hyndman, Secretary

DIAGRAMMATIC SKETCH SHOWING DUAL COMPLETION INSTALLATION

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				Side Door Choke set at 4645 feet
·				300 40 1017 1000
,		K	. 1	Cross-over Packer set at 4710 feet
•			و مسمع	, Set at 4/10 1000
)	
Top at 4758 feet				
				Perforated: 4758-4764 feet
	OIL			This Zone produced thru tubing
Bottom at 4774 feet				
				Packer set at 4803 feet
				S racker set at 400) leet
		2	1 min	
			-	2" tubing landed at 6125 Feet
Ton at 6047 feet				
•	;			Perforated: 6120-6128 feet
Name: Gunsite Lime Completion this Zone:	OIL	6	!	This Zone produced thru casing
		Î	1	
Bottom at 6154 feet	<i>}</i>			
	-		. محمد بالموس	
				7" Casing set at 6152 feet
				Total well depth: 6155 feet
COMPA	ANY: _			
LEASI	£ :			WELL No.
•	-			1
FIELI		!		.
DATE:	;:	1		

APPLICATION FOR DUAL COMPLETION IN ZONES HERETOFORE DETERMINED TO BE FEASIBLE FOR SUCH PURPOSES IN THE FIELD

SUCH PURPOSES IN THE _______FIELD

(To be filed with Railroad Commission, Oil & Gas Division, Tribune Building, Austin, Texas)

Date:	· · · · · · · · · · · · · · · · · · ·	•	
Field na	me	County	RRC Dist
Operator		Lease	Well No.
recogniz	the reservoirs herein requested ed by the Commission as separate earings for permission to comple	reservoirs a	r dual completion presently s the result of prior hear-
2. The	following facts are submitted:	e _s e	en e
		Upper Zon	Lower Zone
a.	Name of reservoir		en e
b.	Top of Pay Section		
С.	Bottom of Pay Section		
đ.	Perforations		
e.	Type of Production (Oil or Gas)		and the second s
-	tify one instance (operator, leaduration leaduration) these	•	· ·
4. The 1	following are attached. (Please	mark YES or N	o)
a.	Electrical log with tops and bo intervals shown and marked	ttoms of prod	acing, zones and perforated.
b .	Affidavit of Packer Setting	*	
с.	Diagrammatic Sketch of Dual Com	pletion Insta	llation
đ,	Packer Leakage Test	_	en de la companya de La companya de la co
with their	all offset operators to the leader correct mailing address.	se on which th	nis well is located together
•	e de la companya de La companya de la co		
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		to de la companya de	and the second s
			en e
6. Have this appl	each of these operators listed lication? Give d	in Item 5 abov ate furnished	re been furnished a copy of
•	letters waiving notice of hearin	g from each o	the above offset operators
	ieu of waivers, are copies of le		ing such waiver from each of
9. Is th	his a regular location with resp	ect to both zo	ones?
	ne answer to Item 9 is "No," has y such rule? . State		

REMARKS:	Į
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es applicable to	certain field rul	ar bas . 026	June 27, 1	8,604, dated	50 - 1
ton Order Nc.	n Table I, Commiss	re listed i	saervoirs a	recognized re	- Item J. The
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outlined in above order and field rules. Item 2. a. The name of reservoir should correspond to reservoir nomenclature as

Office or the Commission's Austin Office. Ifem 4. p., c., & d. These forms may be secured at nearest commission District

Ifem 1. Rednest tor Wainer coursts the tollowing:

a. Operator, lease, and well number involved.

Copy of application for dual completion.

Date application will be mailed to the Commission's Austin Office.

the Austin Office, the application will then be processed. feu (70) day period, no protest or request for hearing is received in ten (10) days from date of receipt in the Austin Office. If, after said Department of the Commission shall hold such application for a period of guong att necessary waivers not accompany application, the Engineering

PACKER SETTING AFFIDAVIT

I,	, being of lawful age
Name of Party Making Aff	idavit
and having full knowledge of the facts h	eletuberom ber ont do arare:
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capacity of	that on, 194,
I personally supervised the setting of a	بر ـــــــــــــــــــــــــــــــ
in	Make and Type of Packer
Operator of Well Well No. located in the	Lease Namo
U	Field
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measurement having been furnished me by	•
packer; that this packer was properly se tively and absolutely seal off the annulpipe where it was set in such manner as fluids across the packer.	ar space between the two strings of
STATE OF TEXAS COUNTY OF	
	1 the facts stated above and that the
Subscribed and sworn to before me	on this the day
	•
	Notary Public in and for
*	County, Texas

RATTROAD COMMISSION OF TEXAS OIL AND GAS DIVISION

Packer Leakage Test

Field Name:			
Operator:	Lease:		Well No.
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P. O. Box No.:		istrict No.:	
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Stabilized flowing pressure duri	ing test:		
Length of time for stabilized fl	lowing pressure	hours	
Shut-in pressure at the end of t	the test:	p.s.i.	•
Length of time in obtaining this	s shut-in pressure	hours	
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Date Shut-in:	Length of time s	hut-in prior to test:	hours.
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Completion producing	Reservoir	Choke Size	inches.
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RAILROAD COMMISSION OF TEXAS OIL AND GAS DIVISION

OIL AND GAS DOCKET NOS. 108. 120, 123, 124, 125, 126, 128, 129, 132, and 146

#20 - 18,604

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Frio 7; Frio 8; Frio 10; Frio 12-A;		
Frio (1-2); Frio 2-A; Frio 4; Frio 5;	Daboval	•
1300: 1650: 9260: 9645	Columbus	
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C of months and the state of th		Ç
5700'; Marginulina	Mest Ranch	
Wackhank; Luling	Видтап	
Slick; Massive	Poehler	
10089 1,0009 1,0009	Placedo, East	
Marg. (5100'); Marg. (5200')	Maubro	
Shoo. "B"; Upper 3000' (both gas sands)	McFaddin	,
2001; 59001; 58001; 59001; 53001	La Rosa	
sands) S200:; S300:; 5100:; 5150: (all gas	val oreer	
SSOO! SSOO! E100! E1EO! (8) GEE	Kay Creek Gottschalt	
Slick; Mackhank	Cosden, West	
Luling; Slick	Caesar, South	
Arcksburg; Sinton	Blanconia	S
		-
Luling; Massive (Wilcox)	San Caja	τ
RESERVOIRS	FIELD	DISTRICT
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TABLE NO. I

Said fields, districts wherein located and the separate reservoirs made the subject of this order are hereinafter set out in Table No. I.

TABLE NO. I (Continued)

DISTRICT	FIELD	RESERVOIRS
4 (Cont'd)	La Reforma	"C" zone; "G-1" zone
(((o i i o a)	Longhorn, South	Hiawatha; Upper Cole
	Los Indios	"J" zone: "M" zone; "N" zone; "P" zone
	Magnolia City, North	Bennett; Evetts; Jones; Presnall
	Mercedes	6900; 7000; 7050; 7150
	Odem	3100; 3500; 4400; 5300; 5400 "B & C";
		5400 "D"; 5500
	Portillo	7400; 8100
	Riverside	4800' (gas); 6900' (gas)
	Saxet Deep	Lower 6500; Upper 6600; 6900; Weil
		(7400); Talbot; Willis; McAllen
	Seeligson	Zones 10; 12; 13-A; 14-B; 15; 16; 17;
		18-B; 19-B; 19-C; 19-D; 20
	Sheridan	"L" zone; "P5Q" zone (Injection only)
	Southland	Teddlie; Pettus; Upper Cole; Lower
	C + 1- 11 1	Cole; Walstead
	South Weslaco	7400; 8100; 8300; 8600; 8900; 9000
	Tijerina-Canales-Blucher	Mary; Marie; Conrad; 3rd Tijerina; Margaret; Claude; Charles; Richard;
		Carl; 6200'; 6900'; 7900'
	White Point, East	Fickey; Cole; Brigham; Heep; 3900'
	white forme, East	rickey, core, brigham, neep, 3909
5 & 6	New Hope	Bacon; Hill; Pittsburg; Elledge
	North Lansing	Rodessa-Young; Travis Peak
	Tennessee Colony	Upper & Lower Rodessa Zones
•	Waskom	Travis Peak; Rogers (Oil Zones)
8	Andector Fields	McKee; Waddell
	Bedford	Devonian & Ellenberger
	Dollarhide	Clearfork; Ellenberger
	Dollarhide, East	Clearfork; Ellenberger
	Embar Fields	Ellenberger; Permian
	Flanagan	Clearfork; Devonian; Ellenberger
	Robertson	Devonian; Ellenberger
::	Shafter Lake	Devonian; Wolfcamp
	TXL	Devonian; Silurian; Ellenberger
	Weiner Colby	Yates & Weiner Colby
	Wheeler	Devonian; Silurian; Ellenberger
9	Walnut Bend	2600; Hudspeth; Cox; Walnut Bend;
		Bruhlmeyer
	Fargo	Cisco (3200); Canyon (3900);
		Strawn (4400)

IT IS FURTHER ORDERED By the Commission that this order may, at any time, be amended by the Commission in such a manner as would delete and withdraw from the operation hereof any reservoir or reservoirs or field hereinabove named, and further that after due notice and hearing, any additional field or reservoirs therein located may be added hereto.

RAILROAD COMMISSION OF TEXAS

W. J. Murray, Jr., Chairman

Ernest O. Thompson, Commissioner

(SEAL)

ATTEST:

O. D. Hyndman, Secretary

DIAGRAMMATIC SKETCH SHOWING DUAL COMPLETION INSTALLATION

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			Side Door Choke set at 4645 feet Cross-over Packer set at 4710 feet
	又		
Top at 4758 feet			
Name: Lower Hope Lime Completion this Zone: OI	L		Perforated: 4758-4764 feet This Zone produced thru tubing
Bottom at 4774 feet		and in agent to death and a	and the second s
			Packer set at 4803 feet
Top at 6047 feet		*	2" tubing landed at 6125 Feet
Name: Gunsite Lime Completion this Zone: 0	IL		Perforated: 6120-6128 feet This Zone produced thru casing
Bottom at 6154 feet			
			7" Casing set at 6152 feet Total well depth: 6155 feet
COMPANY	:		
LEASE :	1		WELL No.
FIELD :			
DATE ;			
	ī,		

APPLICATION FOR DUAL COMPLETION IN ZONES HERETOFORE DETERMINED TO BE FEASIBLE FOR SUCH PURPOSES IN THE FIELD

SUCH PURPOSES IN THE FIELD

(To be filed with Railroad Commission, Oil & Gas Division, Tribune Building, Austin, Texas)

Field name	County	RRC Dist_
Operator	Lease	Well No
l. Are the reservoirs herein requested recognized by the Commission as separating or hearings for permission to comple	e reservoirs as t	ual completion presently he result of prior hear-
2. The following facts are submitted:		and the second second
	Upper Zone	Lower Zone
a. Name of reservoir		
b. Top of Pay Section		•
c. Bottom of Pay Section		
d. Perforations		
e. Type of Production (Oil or Gas))	
3. Identify one instance (operator, lear granted dual completion involving these		
. The following are attached. (Please	mark YES or NO)	
a. Electrical log with tops and be intervals shown and marked		ng zones and perforated
b. Affidavit of Packer Setting	*	
c. Diagrammatic Sketch of Dual Com	npletion Ins ta lla	tion
d. Packer Leakage Test	· · ·	
. List all offset operators to the leadth their correct mailing address.	ase on which this	well is located togethe
	v	
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		مراجع المراجع
		oeen furnished a copy of
. Have each of these operators listed his application? Give d	late furnished	
his application? Give d . Are letters waiving notice of hearing	ng from each of the	ne above offset operator
his application? Give d . Are letters waiving notice of hearin ttached? . In lieu of waivers, are copies of le	ng from each of the etters requesting	ne above offset operator such waiver from each o

EWARKS:

Notary Public in and for County, Texas
and the second of the second o
SUBSCRIBED AND SWORN To before me, this the day of
BEFORE ME, the undersigned suthority, on this day personally appeared whose name is subscribed to the above instrument, who being by me duly sworn on oath states that he is duly suthorized to make the above report and that he has knowledge of the facts stated therein and that said report is true and correct.
COUNTY OF
THE STATE OF TEXAS
By
Operator

INSTRUCTIONS

The recognized reservoirs are linear in Table I, Commission Order No. 20-18,604, dated June 27, 1950, and in certain field rules applicable to specific fields.

Item 2. a. The name of reservoir should correspond to reservoir nomenclature as outlined in above order and field rules.

Item μ_* $b_{*,y}$ $c_{*,y}$ & d. These forms may be secured at nearest (ommission District Office or the Commission's Austin Office.

Item 7. Request for waiver must contain the following:

s. Operator, lease, and well number involved.

p. Copy of application for dual completion.

c. Date application will be mailed to the Commission's Austin Office.

Should all necessary waivers not accompany application, the Engineering Department of the Commission shall hold such application for a period of ten (10) days from date of receipt in the Austin Office. If, after said ten (10) day period, no protest or request for hearing is received in ten (10) day period, no protest or request for hearing is received in

PACKER SEITING AFFIDAVIT

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Packer Leakage Teat

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INSTRUCTIONS

- 1. All wells shall be shut-in a minimum of 24 hours for stabilization prior to the conducting of the packer leakage test.
- 2. The minimum time that shall be allowed for stabilization of the flowing pressures will be 24 hours.
- 3. The minimum time allowed for stabilized pressures at the end of the first flowing time will be 24 hours.
- 4. All pressures shall be made preferably with a dead weight test gauge.
- 5. In the event of any increase or decrease in the pressures shown as being taken on the shut-in completion, the Test No. 2 should then be made in the same manner as Test No. 1. Test No. 2 shall be made with the completion producing that was shut-in during Test No. 1. Likewise, the completion that was producing during Test No. 1 shall be shut-in during Test No. 2.
- 6. All tests shall be witnessed by at least two offset operators. In the cases where offset operators do not exist, any two operators in the field in question must witness the test. When there are no other operators in the field, the Railroad Commission's District Office must be notified of said condition. In such cases, permission must be granted or the testing must be witnessed by a representative of the Railroad Commission District Office.
- 7. In cases where an increase or decrease has been detected, pressure recording gauges shall be used during the stabilization period, both flowing and shut-in times included. All charts for the duration of the testing period shall be submitted along with this form.

EACH WITNESS MUST SIGN IN HIS OWN HANDWRITING We, the undersigned, witnessed this packance with the Railroad Commission Rules & Reg	ker leakage test as being run in accord-
(Representative of company making test)	
for	
(Representative of Offset Operator)	(Offset Operator)
for	
(Representative of Offset Operator)	(Offset Operator)
Representative of the Railroad Commission:	
AFFIDAVIT:	
I HEREBY CERTIFY that all conditions pre Texas for this packer leakage test were compl all dates and facts set forth on both sides of	lied with and carried out in full and tha-
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(Representative of Company making test)	(Company making test)
SWORN TO AND SUBSCRIBED before me this the	1919
(Notary Seal)	A contract of the contract of

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Notary Public in and for

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LARGE FORMAT EXHIBIT HAS BEEN REMOVED AND IS LOCATED IN THE NEXT FILE

COMPANY CITIES SERVICE OIL Location of Well 3375' fr S/L 3225' fr E/L 0 COMPANY Sec. 15-21S-37E unson S-3 STATE S-3 erv WELL S es မှ မ FIELD NO. BRUNSON No. E Lea <u>CI</u> t LOCATION SEC. 15-215-37E Elevation: D.F.3447 COUNTY FIELD or LOCATION WELL COMPANY K.B.:... COUNTY_LEA . or G.L.:____ NEW MEXICO FILING No ._ STATE_ RUN No. 2 - A - 51 2027 Date First Reading Last Reading 2806 522 **I** Feet Measured Csg. Schlum. 2806 Csg. Driller 2800 Depth Reached). 8030 Bottom Driller 8034 Depth Datum RT - 13.1'aby.G. Caustic Obr. Mud Nat. Density 10.2 Viscosity Resist. °F °F <u>@</u> (a) (a) .48@110°F ۰F (a) °F **@** °F (a) Res. BHT @ °F °F (a) (a) ۰F (a) (a) 10.5@ pН CC 30 min. Wtr. Loss CC 30 min. CC 30 min. CC 30 min. CC 30 min. Max. Temp. °F Bit Size Spcgs.—AM A 0 19' AO 42 hrs Opr. Rig Time 504-Hobbs Truck No. Recorded By Young Witness By