ILLEGIBLE

WATERFLOOD SATA FOR HEARING BEFORE

JPFRATOR	Graridge Corporation	12-18-56
, 100		THE STATE OF
	See Attached List	ANDERSON AND TOOM : MEZ TREAMENT (AND AND AND AND AND AND AND AND AND AND
Carlotte and the control of the cont	Caprock Pool	WINTY Lea & Chaves
Stockwolk,	"The Artesia Red Sand" uppermost membe	r of Queen
lad e o f con	moletion of first well in reservoir No	vember 21, 1940.
ist other	one more injecting into this reservoi	r in this field none at present.
Control of the Contro	n annan i sinte vidice apertument terretationement en interioristication de desirent anna de desirent anna de de	MRIEDENSTRAMBER 1997年(1998年) - 1998年) 「日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本
alogo e egy, governo sengino njika njimboo diverso.		estadorina de como como como como como como como com
TO CONTRACTOR TO EXCENSION AS AN ADMINISTRA		
wells, pro-	lat of field showing lease or leases to posed injection wells, well locations o	
	eir and fluid characteristics to mation on entire reservoir	
ì	Name of reservoir Oneen Sand	
<u>.</u>	Name of reservoir Queen Sand Estimated productive area of entire r	eservoir 5500 ac
(A)	· · · · · · · · · · · · · · · · · · ·	on a structural nose. Structure
	map included. See note (*) below. Include structural and cross-section	
5.	Type drive during primary production	solution das drive
6. 7	Original reservoir pressure approx.	10h0#
	The submitted first to	The second second is a second
i li	formation on proposed project area	•
· .	Man en of productive acres in lease of	r leanes to be flooded480 ac affected
ş 3	weetige depth to too of pay (feet)	3000' (feet) 12'
No.	rated average possity \$\frac{1}{2}\$ 19 forege horizontal proveduality fads. hade water content (\$\frac{1}{2}\$) pore space.	Application of the second of t
	 i conge norizontal processionity (mas. i otto water content (% of pure space) 	7_147 (e)
:	by of oil (API) 37° @ 60° F. Cuy of oil (centionism) E	Transport Control Cont
The second secon	r or addition history and aresem scata	(13
! !	the first well completed to lease of the gas, water production bistory by	Reases November 21, 1940
•	oproment time. (Suggest data be prese	
₹.	Stage of depletion of project area st	rinner stage ** See helow
4.	- Withing of producing writs on each fea	ise in Dro 1865 area 12 to be affected(see
د ا	Note age daily oil production per well Complative oil production to date from	at present was 3 bond/well Pt
.5	Cumulative average of 10,000 hb1/well	or 10 ac tract.
	Intimated oil saturation at present to the conject area has had gas remessured.	ring, give details and details, such
	as comulative cas injected, number of	Finjection wells, by-possing of
	high gas-oil ratio experience_produc	Cooperative
Producers (Company carried out an air injection pr	ogram in 1951. Results were
questionabl	le. There was evidence of by-passing o	of air and formation plugging when
intermitte	nt water injection was tried.	in binganggan ana, magatah mang pilangan pagang an ang dian sakang pengangangangan dalah lang menganggan dalah sa
A CONTRACTOR OF THE STATE OF TH	reservation services and the service and the services of the service of the services of the se	The contraction of the contracti
the Queen S	Sand.	of the wells were not drilled through
** A great	many of the well ne Pool are at t	the approximate economic limit and will

Page	7	Waterflood Data			
	- 1. 2. 3. 4. 5. 6. 7.	Jection Source of injected water (formations, or Fresh or sait water fresh Open or closed system semi-closed Treatment of injected water Pattern and spacing 80 ac, 5-spot Initial injection pressure to be used Estimated initial per well rate of inj Will oil wells be converted into injected drilled? (If to be converted, give	filtering (psi)as neede ection (bbls. tion wells or well numbers	d to calculated max. of) 500 bls/day will injection wells .) All injection wells	900 psi
<u>wi 11</u>	be	converted producing wells.	And the second s	* ************************************	
### _* /y*****					,
	9.	Will additional oil wells be drilled?	No		
427 AVENUE DE			. And there eights I reconstruct supportunity construction are a same state.	The control of the co	
IV.			ī	~	
	2.	Estimated residual oil saturation at a Estimated ultimate additional oil that sult of injection (bols.) 2500 bbls/a Estimated original oil in place (bbls.	will be reco	vered as a direct re-	
		mmendations and reasons therefor: As not			,
-		ure unless some secondary recovery means			
		BY AND THE PROPERTY OF THE PRO			•
TP PROP SERVICE SERVICE		er er Nord Bright, nahm von den hande er den hande men som en den den den den den den den den den	* · · · · · · · · · · · · · · · · · · ·	MELITONELLA PERMINISTRI CHERTOLE, COST. CARRONALISETTE E LA PROPRESENTA ESTRELLA	•
entrage party	g yezhioù ar yezh	PORTON IN THE PROPERTY OF THE			<u>.</u>
14142	e ntal de 1882, e pictor	#71-07 Anthonogys, against an agus agus agus agus agus agus agus agus		BY Laws Crash is within the Affiliated Region (A Post Promitting Laws Laws Laws Laws Laws Laws Laws Laws	

PRODUCING WELLS TO BE AFFECTED BY THE PILOT FLOODS

Lease, Well Number, and Location	Cumulative Oil Prod. to 11-1-56
Graridge Malco State "A" #2 (G-31-12-32) #4 (M-31-12-32) #6 (K-31-12-32)	42,310 bbls. 56,518 59,533
Graridge Livermore Maxwell St. "G" #4 (0-31-12 #6 (I-31-12	
Graridge Manry St"A" #1 (G-6-13-32)	15,569
Graridge Caprock St #5 (I-6-13-32)	17,376
Julf Lea St "A" #3 (C-6-13-32) "B" #1 (A-6-13-32)	10,479 52,200
Great Western St "Q" #1 (M-32-12-32) "R" #2 (C-5-13-32) "R" #3 (E-5-13-32)	51,497 28,558 19,896

PROPOSED WATER INJECTION WELLS FOR THE PILOT FLOOD

Lease, Well Number, and Location Graridge Malco St "A" #5 (N-31-12-32)	Cumulative Oil Prod. to 11-1-56 46,124				
Graridge Livermore Maxwell St "G" #5 (J-31-12-) #7 (O-31-12-)					
Graridge Manry St "A" #2 (B-6-13-32)	53 , 606				
Gulf Lea State "B" #2 (H-6-13-32)	21,560				
Great Western State "R" #1 (D-5-13-32)	<u>37,274</u>				
Total Primary Prod 697,234 bbls. 8 38,750 bbls/well or 40 ac.					
40 ac X 12: = 480 ac ft					
$\frac{38,750}{480} = \frac{81 \text{ bbls/ac ft.}}{}$					