### CERTIFICATE

#### NO. 2007

I hereby certify that I have carefully and thoroughly examined and searched the records of the office of Commissioner of Public Lands of the State of New Mexico and find that the beneficiary institution is Common Schools for the  $N_2^{\perp}$  of Section 17, and the  $E_2^{\perp}$  and  $SW_4^{\perp}$  of Section 18, in Township 17 South, Range 33 East, N.M.P.M., and that title to this land passed to the State of New Mexico from the United States Government, in Clear List No. 21, approved on November 25, 1916, under the provisions of the Act of Congress approved June 20, 1910 (36 Stat., 557), in part satisfaction of its grant of 1,000,000 acres, in Payment of Bonds issued by Santa Fe and Grant Counties, free from conflicts or other adverse claims of record and not mineral in character; that these bonds have been discharged; and that under the terms of the grant, the beneficiary institution has been changed to Common Schools:

THAT the beneficiary institution is Common Schools for the SE $\frac{1}{4}$  of Section 13, Township 17 South, Range 32 East, N.M.P.M., and that title to this land passed to the State of New Mexico from the United States Government, in Clear List No. 111 of School Indemnity Land Selections, approved on May 31, 1919, as indemnity for losses to the grant for the support of Common Schools, made under the provisions of the Acts of Congress approved June 20, 1910 (36 Stat., 557), free from conflicts or other adverse claims of record and not mineral in character: THAT the beneficiary institution is Common Schools for the  $S_2^{\perp}$  of Section 7, the  $S_2^{\perp}$  of Section 8, and the  $SW_4^{\perp}$  of Section 9, in Township 17 South, Range 33 East, N.M.P.M., and for the NE $_4^{\perp}$  and  $W_2^{\perp}$  of Section 13, Township 17 South, Range 32 East, N.M.P.M., and that title to this land passed to the State of New Mexico from the United States Government, in Clear List No. 111 of School Indemnity Land Selections, approved on May 31, 1919, as shown above:

THAT the beneficiary institution is Common Schools for the  $S\frac{1}{2}$  of Section 17, the  $NW\frac{1}{4}$  of Section 18, all of Section 19, and the  $N\frac{1}{2}$  of Section 20, in Township 17 South, Range 33 East, N.M.P.M., and that title to this land passed to the State of New Mexico from the United States Government in Clear List No. 21, approved on November 25, 1916, in Payment of Bonds Issued by Santa Fe and Grant Counties, as shown above:

AND THAT the beneficiary institution is Common Schools for the  $W_2^1$  of Section 16, Township 17 South, Range 33 East, and title to this land is claimed by the State of New Mexico under the grant made to the Territory of New Mexico for common school purposes, by Act of Congress which was approved on June 21, 1898, and confirmed by United States Patent No. 1202899 to the State of New Mexico, dated December 31, 1959.

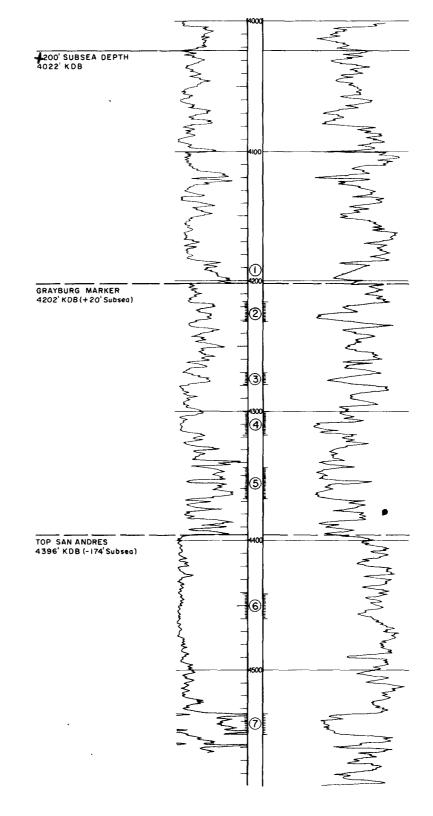
DATED at Santa Fe, New Mexico, this 4th day of December, 1961, at 4:00 o'clock p.m.

(Certificate is void if seal is broken.)

Abstractor, DNew Mexico

### DETAIL LOG SECTION SHOWING FORMATIONS AND PRODUCING ZONES MURPHY H. BAXTER STATE 18-B NO. 2

ELEVATION: 4222' KDB



					SPYotes \$*' 4730'		
	34	35	36	31	32	33	34
	Kirklin 4964'			C. M Peprce 4875'			P
	State				State	Cactus A State	State
	H L Brinson Nicholsøtal Santiago • <sup>2</sup> •	Phillips	Phillips		Aztec e <sup>1</sup>	Sinclair ¢' 4661	
	Santiaga,eta	Phillips		6		Coctus	Tex-Guif <i>Stote</i> ↓ <sup>+₩</sup> 4425'
	Boiler & Nichola	L Nichols Kannedy	McLaughlin	•*	5	N G Penrose, Inc Cectus, Paryar A G Penrose, Inc Cectus, Paryar 4711' Coctus, etcl	3
	•* • • •	under State	o <sup>la</sup> g <sup>io</sup> . Stato	Shell 9 <sup>3</sup> 4396' Stole		• Vickers"State	
	Baller & Nichals a <sup>2</sup> a <sup>1</sup> a <sup>2</sup> a <sup>3</sup>	L Nichols L Nichols L Nichols J L Nichols	Te zaco e <sup>13</sup>	L. Nichols 2-4 i 4 i -c	Stole L Nichoja e <sup>ro</sup>	PLANS STORE	State
	* *	 * * * *	a <sup>23</sup> a <sup>22</sup> a <sup>21</sup> a <sup>20</sup>	Sontiago Tidéwoter •7 • • •	McLaughlin Sheili IL Nichols 4 <sup>19</sup> 5 <sup>10</sup> 5 <sup>10</sup> 1 <sup>10</sup>		
	IO	11 <u>Trimble</u> • <sup>4</sup> • <sup>3</sup>			Nichols Britiman	Russeil Maguire	10 Rich
	•		· · · (5)	"Philips" sprague	• <sup>2</sup> • <sup>3</sup> • <sup>4</sup>	a' a <sup>3</sup>	
	<u>Iles</u> Hudson & Hudson   Cont	A.C.Taylor W.B.Trimble L.Nichole Cont. BX 4	Darlington St. "Phillips"- Sprague Santiaga Gt. Western Drig. Ca. •* •* •* •10 •"	Store Gt Western Drig.Co. Murphy H. Boxter C	Aziec Si Phillips Si Murphy H Baxter • 3 2 1	Phillips St. State Pair Oil Co. * <sup>2</sup> * <sup>4</sup>	Stote
		a <sup>14</sup> a <sup>15</sup> a <sup>3</sup>		• 🤄 • उ	ه ه ه ه	e <sup>i</sup> e <sup>3</sup>	4,
			- Darlington St Wurphy H. Bazter 19-13	Freider Trust St. 18 Nurphy H. Baxter * ***********************************	Siale 17 Zapato 14	E Taibertu <sup>ll</sup> phinps- <i>Leo Mex</i>	*** **
	- Cont Hoover			•••••	Phillips Lea Max Solution (1997) (1997) 15.996 (1997) (1997) 15.996 (1997) (1997) (1997)	Kennedy : Gi • • • •	<u>م</u>
<u> </u>	•         -	Miller Cant.	Storte Drilling & Exploration	Zapota s <sup>12</sup> o <sup>11</sup> o <sup>3</sup> o <sup>4</sup>	Phillips-Slave	Phillips-State State Sunset Pet Phillips	Phillips
`.	ا ۱ ۱	• <sup>25</sup> , 2 <sup>2</sup> • • •		• <sup>12</sup> • <sup>10</sup> • <sup>6</sup> • <sup>3</sup>	•" • • •	. 5	
L I	24   22  Foir Oil 2	23 Cont 'a s <sup>t' s'</sup> s' s <sup>n</sup>	24	19 ** * *2	20 Sunsel Pet.	· · ·	22
		E 2 Cont	0 8 E • • • • • • • • • • • •	• <sup>18</sup> • <sup>1</sup> • • • 35z Phylling - Stole			Richmond Drig
	"Baist" US Cont. Fair Cont. H a 7 a Fair	"MriHer"U.S. Cont.   Feir Oil   Drig & Expl.	"Johas" U.S. Cont.	4352 <u>Phillipa</u> - State Cont. Carper Drig.	Phillips State Phillips Westlund Sunsal Pet	Sigte •4 Zapola et ai	\$" 4805' State
	Fair		2 <sup>1</sup> 2 <sup>21</sup>	نو <mark>کو</mark> <sup>او</sup> دار	• • •	• • · · · · · · · · · · · · · · · · · ·	
	27	- Ross Sears, stol 26 Fair Oil Fair Oil Fair Oil	• <sup>27</sup> • <sup>26</sup> • <sup>11</sup>	e <sup>76</sup> 30 Phillips	2 3 4440' 5 	•* 28	27 Zapata et al CW.Chancella
	• •	ه۲۱۶ م	Kengges 430' 18	Cockburn		• <sup>2</sup> • <sup>7</sup> • <sup>10</sup> • <sup>12</sup>	o <sup>(C</sup> 4701' − − − − − − − − − − − − − − − − − − −
	"Boish"US	Dunigan <sub>4 1</sub> "Miller" sead <u>() S</u> "Johns"	ø* *Miller*U.S.	Corper, 20 3 dr 4gsr e "Miller" "Brod U.S.	store	● <sup> </sup> ● <sup>4</sup> ● <sup>13</sup> 51010	• <sup>4</sup> • <sup>4</sup>
					1 1		

# MURPHY H. BAXTER WATERFLOOD PROJECT

## THREE STATE LEASES

## MALJAMAR GRAYBURG - SAN ANDRES FIELD LEA COUNTY, NEW MEXICO

- Proposed Pilot Injection Well  $\odot$
- **(**), Proposed Offset Operator Injection Well
- Grayburg and San Andres Producing Oil Wells •

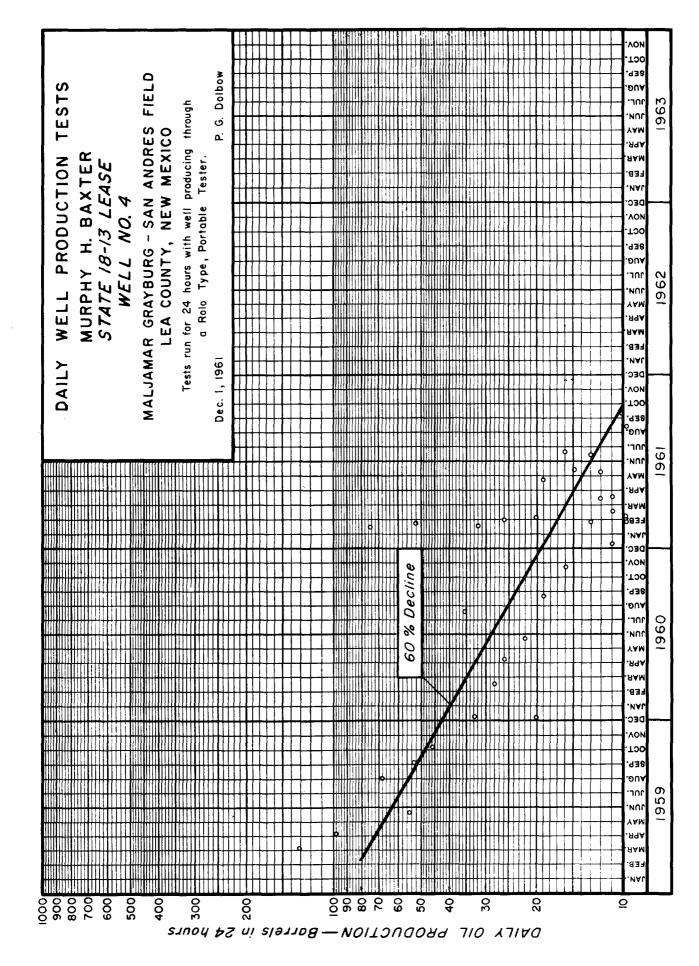
Dec. 1, 1961

P. G. Dolbow

INJECTION WELL CASING COMPLETION DATA MURPHY H. BAXTER WATERFLOOD PROJECT STATE 18-B LEASE

BIT SIZE	7-13/16"	7-7/8"	7-7/8"	7-7/8"
ASING SXS . CEMENT	270	260	260	260
PRODUCTION CASING	4593'	4628'	4573'	4544 '
PRO	53,"	5 <b>ϟ</b> <sup>#</sup>	5 <b>}</b> "	532"
CASING SXS.CEMENT	200 & Cir.	250 & Cir.	150 & Cir.	150 & Cir.
SURFACE CASING DEPTH SXS.	293	325	316'	329'
SIZE	8-5/8"	8-5/8"	9=5/8"	8-5/8"
COMPLETION INTERVALS	4218 - 31 4270 - 79 4300 - 18 4344 - 68 4441 - 60 4534 - 50	4200 - 14 4264 - 74 4308 - 18 4334 - 43 4360 - 76 4492 - 50 4572 - 85	4193 - 207 4265 - 87 4305 - 11 4322 - 41 4447 - 55 4530 - 40	4148 - 60 4180 - 90 4254 - 68 4280 - 85 4280 - 85 4299 - 320 4508 - 22
TOTAL DEPTH	4591	4639 '	4573'	4544
ELEV. KDB	4222	4220*	4220'	42261
INJECTION WELL NO.	N	4	Q	œ

.



-

