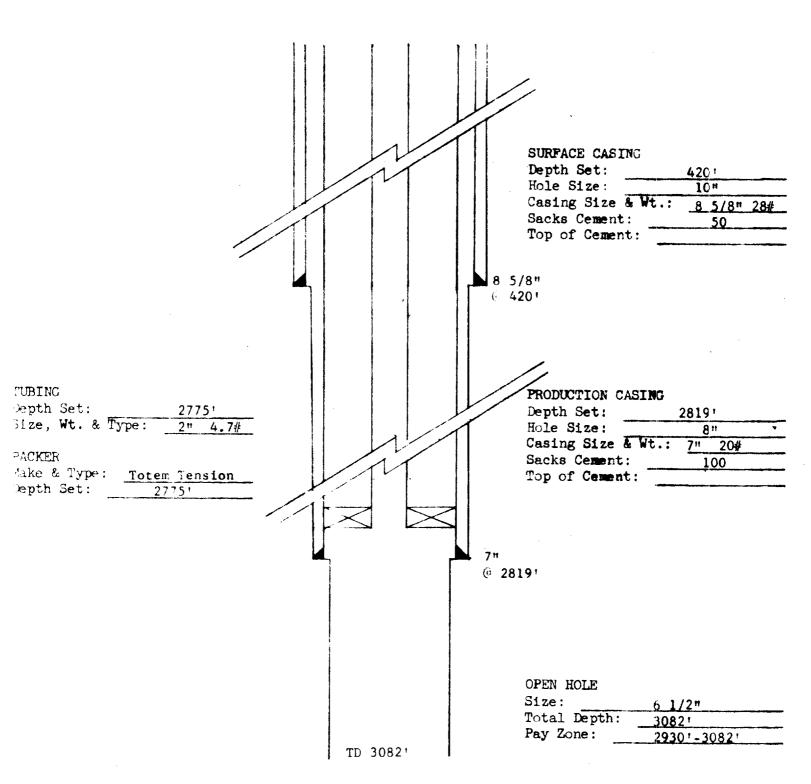
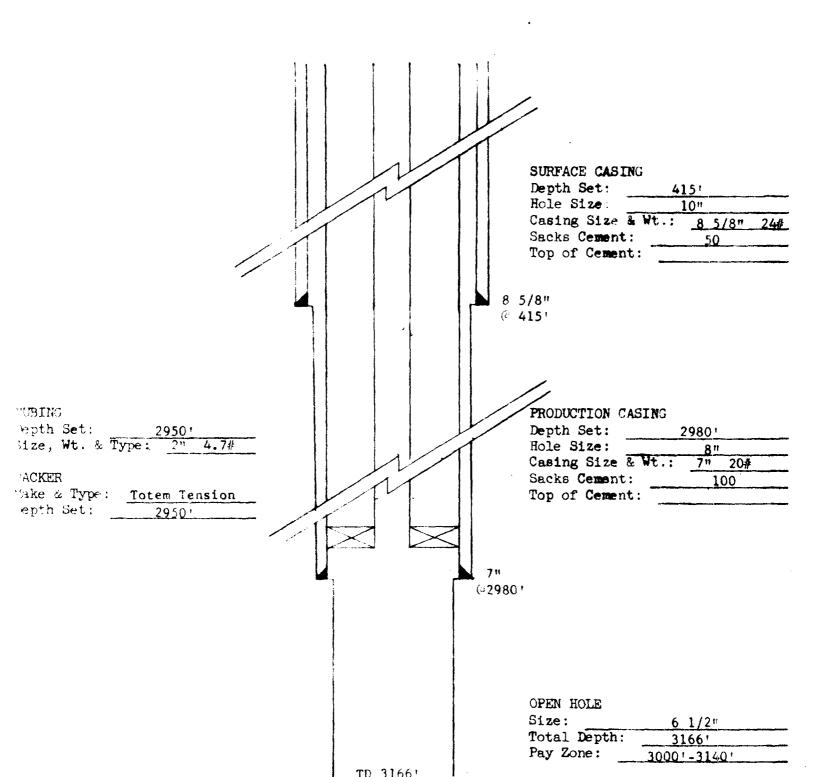
Lease and	Well No.:	Keely B #6		
Location:	660	feet from	North	line and
	1980	feet from	West	line of
	Section	25 TWP	175	RGE 29E
	.M.P.M.	Eddy	County,	New Mexico



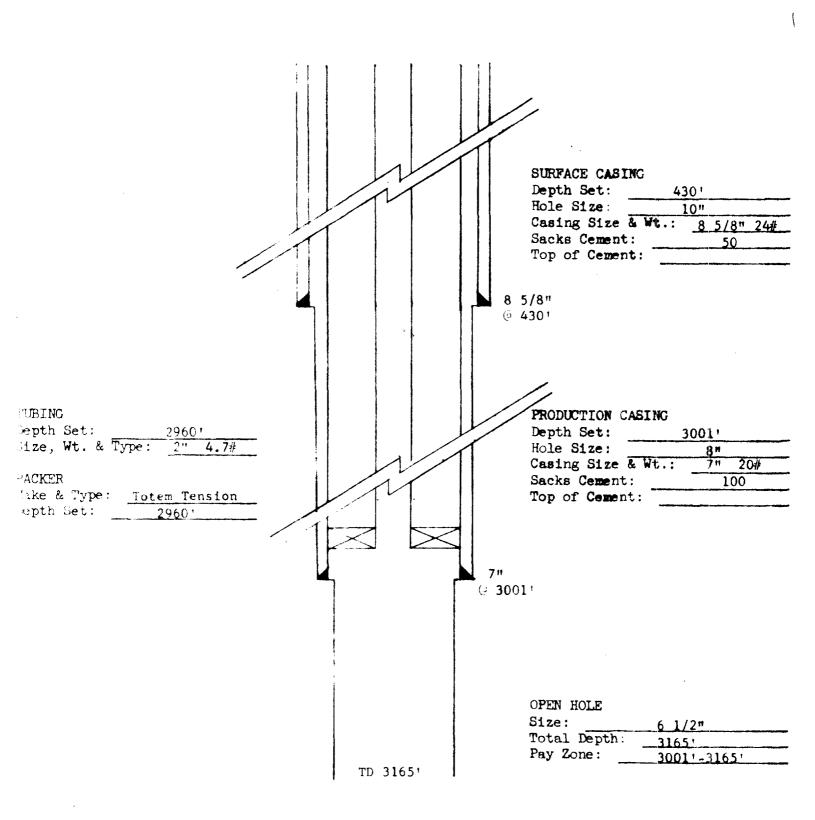
This well will probably be deepened to 3157' prior to injection.

	Province of the late of the property of	Registerate of Statistical state State of Color places are not not compared with	
	BURCHE		* * * * * * * * * * * * * * * * * * *
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1	appn	4029	2
-	CAVONO	4029	galanti i na na nasawa

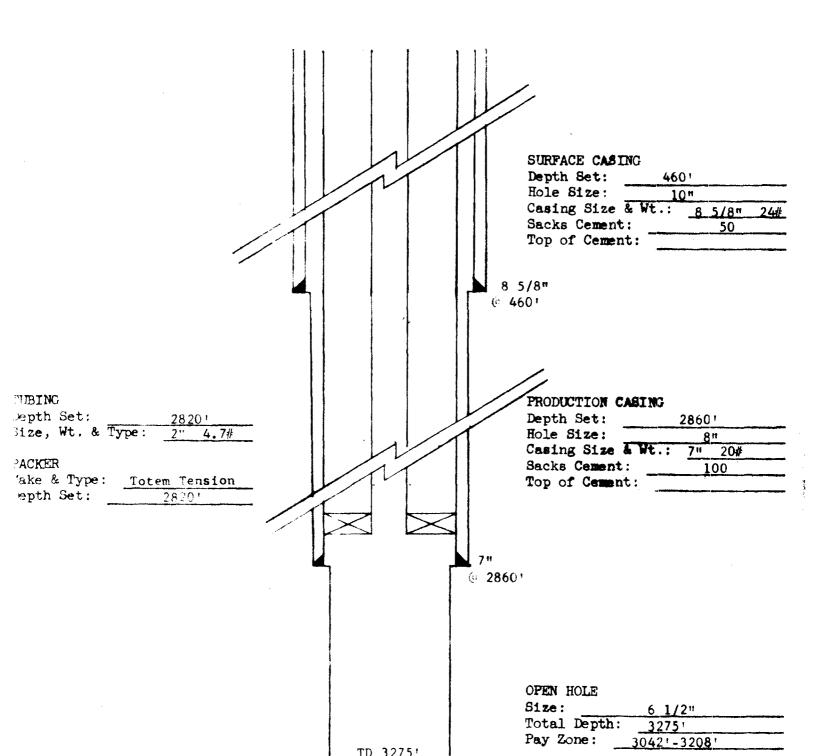
Lease and	Woll No.:	Keely B	# 1 0	
Location.	1980	feet from	South	lin e and
	660	feet from	East	line of
	faction	26	(WP 175	RGE 29E
	N.M.P.M.	Eddy	County.	New Mexico



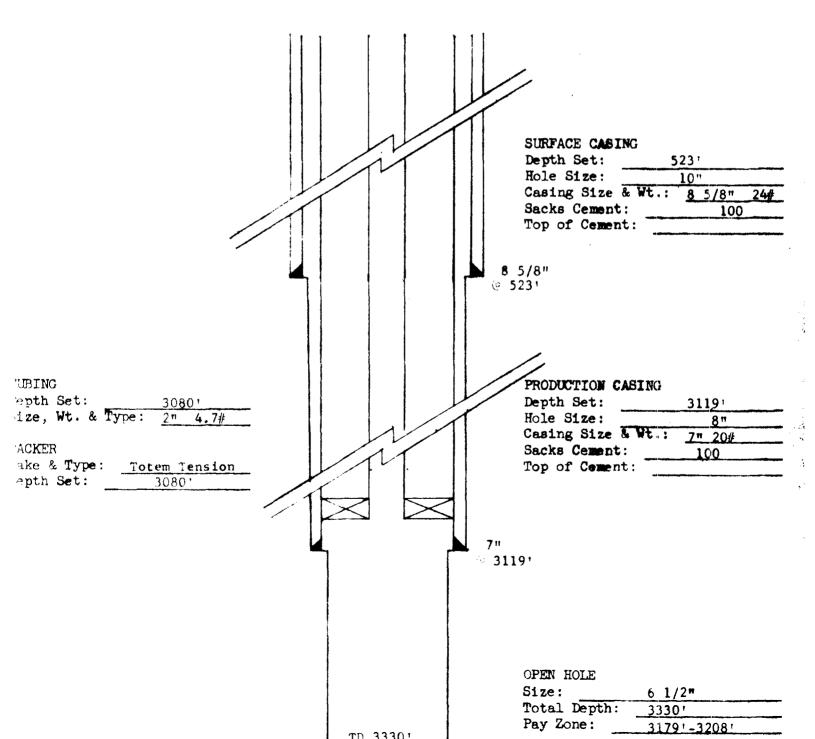
Lease and	Well No.:	Keely C #10	1	
Location:	1980	feet from	North	line and
	660	feet from	West	line of
	Sentition	25 TWP	175	RGE 29E
	N.M.P.M.	Fddy	County,	New Mexico



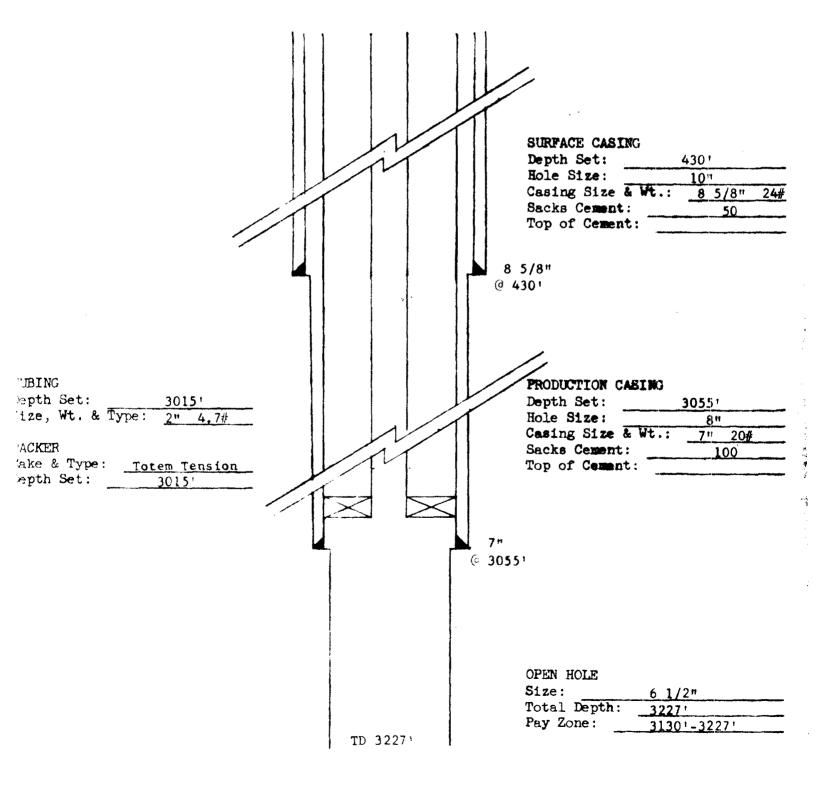
Lease and	Well No.:	Kee	ly C #1	2			
Location:	1980'	feet f	rom	North		line	and
	1980'	feet f	rom	East		line	of
	Section	25	TWP	178	RGE	E 2	9E
	N.M.P.M.	Edo	lv	County,	Nev	Mex:	co



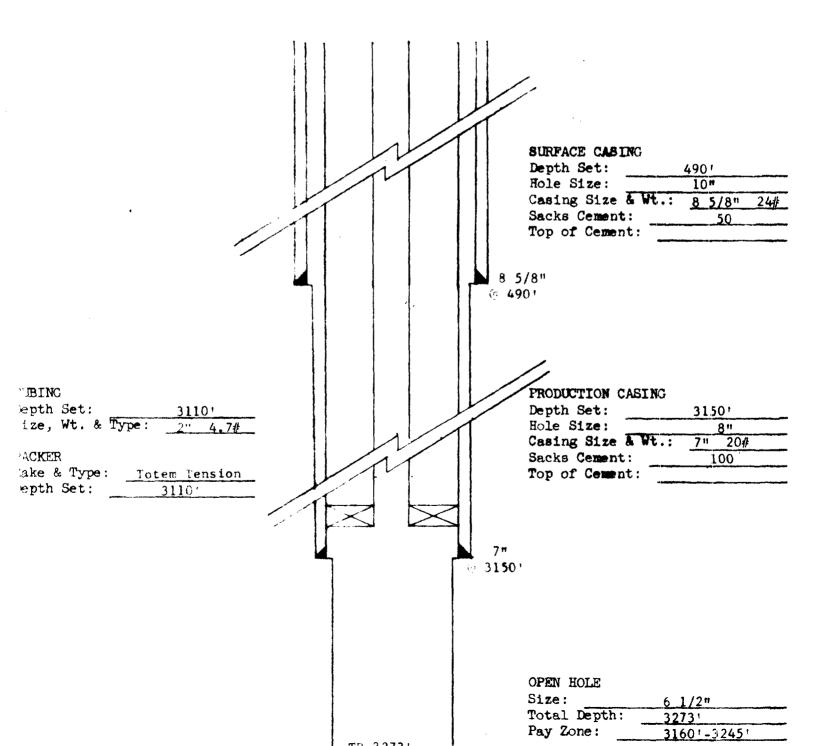
Lease and	W-11 No.:	Kee	ly C_#20				
Location:	1980	feet	from	South		line	and
	660	_ feet	from	East		line	of
	Section	25	TWP	175	RGI	29)E
	N.M.P.M.	Eddy		County,	Nev	Mex	ico



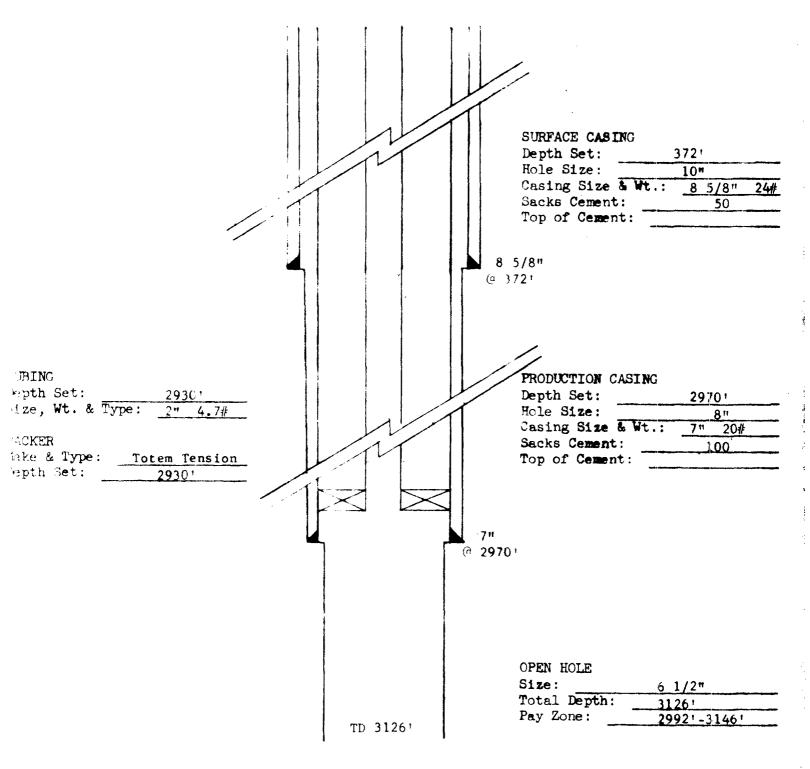
Lease and	Well No.:	Keely	C #23	
Location:	660	feet from	South	line and
	<u>ა</u> 60	feet from	West	line of
	Section	25 T	VP 17S	RGE 29E
	N.M.P.M.	Eddv	County.	New Mexico



Lease and	Well No.:	State #2		
Location:	560	feet from	North	line and
	1980	feet from	West	line of
	Section .	36 TWP	178	RGE 29E
	N.M.P.M.	Fddy	County,	New Mexico



Lease and	well No.:	Keely B #11					
Location:	p60	feet f	rom	South	line and		
	1980	feet f	rom	East	lire of		
	Section	26	TWP	175	RGE 29E		
	' M.P.M.	Ede	dv.	County,	New Mexico		

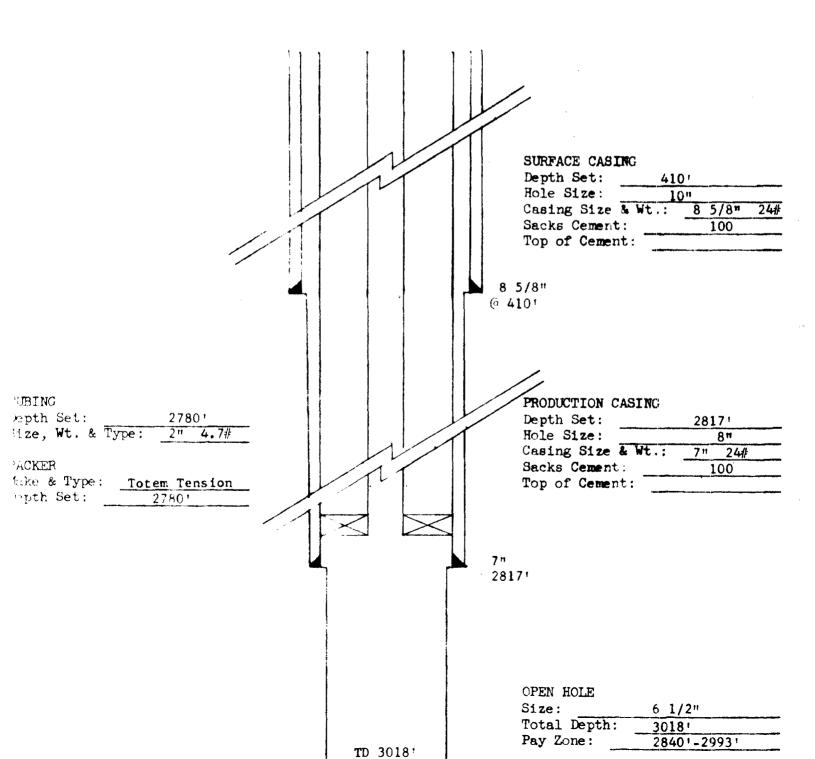


This well will probably be deepened 75' to 3201'.

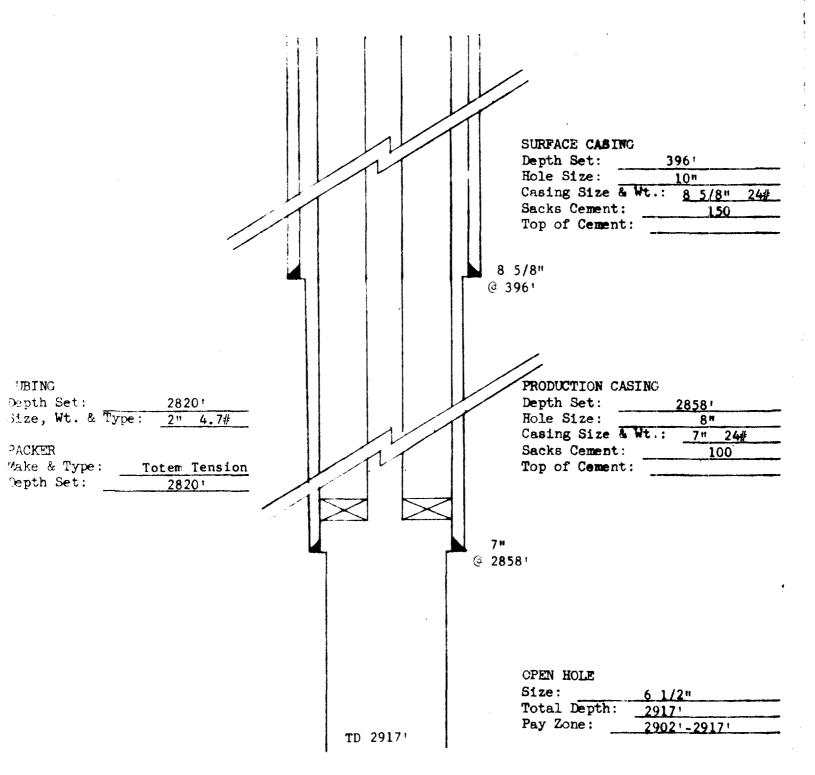
GENERAL AMERICAN OIL COMPANY OF TEXAS

SCHEMATIC DIAGRAM OF PROPOSED INJECTION WELL

Lease and	Wel. No.:	Kee:	ly Ç #16)		
Location.	1980	feet f	rom	South	line a	nd
	1980	feet f	rom	West	line of	ſ
	Section _	26	TWP	175	RGE ≥9E	
	N.M.P.M.	E	ddy	County,	New Mexico	$\overline{}$



Lease and	Well Noi:		Keęly C	#21	
Location:	660	feet	rom	South	line and
	660	_ feet i	from	West	line of
	Section _	 26	TWP	175	RGE 29E
	N M P.M.	Ed	dy	County,	New Mexico



This well will probably be deepened 150' to 3067'.

Lease and Well No .:

Lease and		Keely C.#8 feet from		
Location:	660		North line and	
	660	feet from	East line of	
	Section.	25 TWP	17S RGE 29E	
	*.M.P.M.	Eddy	County, New Mexico	
				•
	•			
	1 : 1		1	
			ſ ·	
			SURFACE CABING	
		$\mathcal{M} = \mathbb{N}$	Depth Set:	4591
			Hole Size:	10"
			Casing Size & Wt.	
_			Sacks Cement:	50
			Top of Cement:	
•/				
			8 5/8"	
		, I I -	@ 4591	
			439	
	1 1			
	1			
UBING			DOODHOUTON GASTNG	
			PRODUCTION CASING	
*pth Set: 2810' ize, Wt. & Type: 2" 4.7#			Depth Set: Hole Size:	28481
2c, w. w. 15pc. 2. 4.74			Casing Size & Wt.	8" 7" 20#
ACKER			Sacks Cement:	100
take & Type: Totem Tension			Top of Cement:	1.00
epth Set: 2810'			200000000000000000000000000000000000000	B
and the state of t	/11	4		
		N	7"	
		(0	28481	
	-			
	Ì			
			OPEN HOLE	
				1/2"
			Total Depth: 31	.201

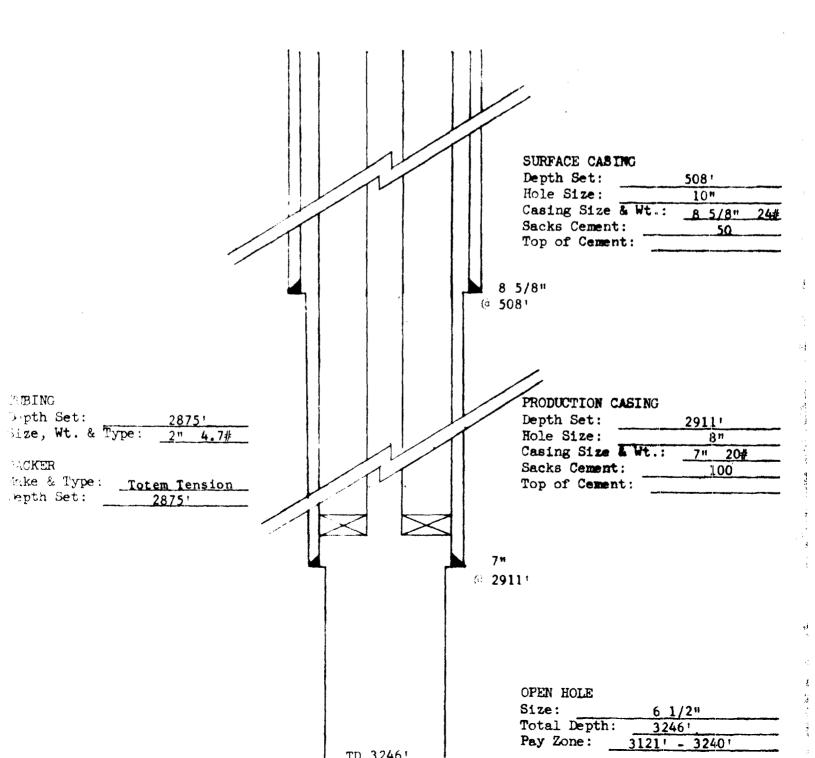
This well will probably be deepened 75' to 3195'.

TD 3120'

Total Depth: Pay Zone:

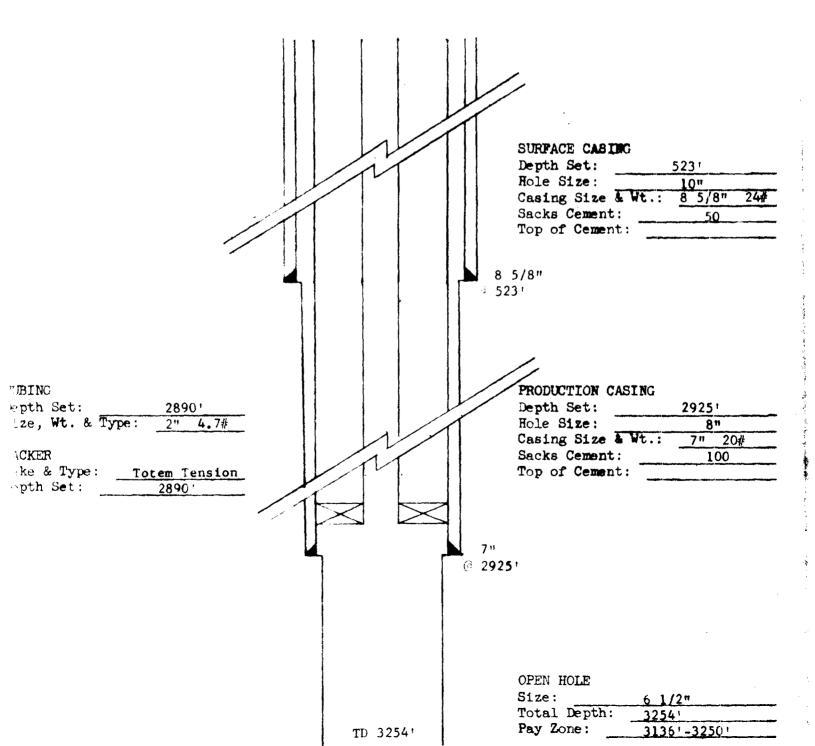
3027'-3102'

Lease and	Well No.:	Burch B #1	0	
Location:	660	feet from	North	line and
	1980	feet from	West	line of
	Section	$_{30}$ TWF	175	RGE 30E
	N.M.P.M.	Fd dv	County,	New Mexico



2 -

Lease and	Well No.:		Burch	B #11			
Location:	1980	feet	from	North		line	and
	. 660	feet	from	West		line	of
	Section	30	TWP	175	RGI	3	30E
	N.M.P.M.		Eddy	County.	Nev	Mex	ico



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DATA ON WELLS TO BE CONVERTED TO MATER, INJECT LON

OPERATOR:	GAOC	GAOC	CAOC	CA 0C	CAOC
ON 165	Kooly B &	Keelv B #10	Keelv C #10	Keely C #12	Keely C #20
TOCATION:	660 FNI & 1980 FWI	1980 FSL & 660 FEL		161	1980 FSL & 660 FEL
	1 1	175 -	Sec 25 - 175 - 29E	Sec 25 - 175 - 29E	Sec 25 - 17S - 29E
Elevation:	35991	3578'	35961	35901	35901
COMPLETION DATA:					
	30821	31661	3165'	32751	33301
P.B. TOTAL DEPTH:					
SIRFACE CASING (3:	4201	4151	4301	,094	5231
SIZE 6 WT.	8 5/8" 28#	8 5/8" 24#	8 5/8" 24#	8 5/8" 24#	8 5/8" 24#
i con			\$	α	50
BOOMING CASTM. (A.	2810	2980'	3001	28601	31191
SIZE & WT.:	#02 112	7" 20#	7" 20#	7" 20#	7". 20#
i (n	· •	100	100	100	100
		c			
PRODUCING ZONE:	San Andres	San Andres	San Andres	San Andres	San Andres
INTERVAL:	2930'-3082'	3000: -3140:	3001'-3165'	30421-32081	3179'-3208'
TREATMENT RECORD:					
TY PE TREATHENT:	Actd	Ac1d	Acid	Acid	Acid
INTERVAL:	2819:-30821	2980 3166	30011-31651	28601-32751	3138'-3215'
VOLUME:	Acidized with 4500	3 Stages 20% Acid	Acidized with 4500	5 Stages Totaling	4 Stages Totaling
	Gallons 20% HCL.	Totaling 3750 Gallons.	Gallons of 20% HCL.	13500 Gallons 20%	10000 Gallons 20%
				HCL Acid.	HCL Acid.
			1 1		
REMARKS:	s well will p				
	31571		than which		
			CXSK NO MANNESSEE STATE	The Contract of the Contract o	
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GENERAL AMERICAN OIL COMPANY OF TEXAS	COMPANY OF TEXAS	i 4		DATA ON WELLS TO BE C	DATA ON WELLS TO BE CONVERTED TO WATER INJECT
		STAGE	II		
OPERATOR:	30 V S	GAOC	CA OC	CA0C	CA OC
WELL NO.:	Keely C #23	State #2	Keely B #11	Keely C #16	Keely C #21
LOCATION:	660 FSL & 660 FWL	660 FNL & 1980 FWL	660 FSL & 1980 FEL	1980 FSL & 1980 FWL	660 FSL & 660 FWL
		Sec 36 - 175 - 29E	26		Sec 26 - 178 - 29E
ELEVATION:	35791	35751	3573'	35751	35681
COMPLETION DATA:					
TOTAL DEPTH:	32271	32731	3126'	3018'	2917
P.B. TOTAL DEPTH:					
SURFACE CASING (2:	430	1067	372'	410'	3961
SIZE & WI.:	8 5/8" 244	8 5/8" 24#	8 5/8" 24#	8 5/8" 24#	8 5/8" 24#
NO. SACKS:	50	50	50	50	50
				1,100	10300
PRODUCTION CASING (a:	3033	0000	.0787	1107	0007
	100	100	100	100	100
NO. SACKS:	000	001	001	001	001
PRODUCING ZONE:	San Andres	San Andres	San Andres	San Andres	San Andres
INTERVAL:	3130'-3227'	3160: -3245:	29923146	28401-29931	29021-29171
TREATMENT RECORD:	The state of the s				
TY PE TREATMENT:	Acid	Acid	Ac1d	Acid	Acid
INTERVAL:	3055 - 3227	3200 - 3259	2970:-3126	2817'-3018'	28581-2917
VOLUME:	2 Stages Totaling 6000	3 Stages Totaling 10300	3 Stages of 20% Acid	Acidized with 4000	Acidized 2000 Gallons
	Gallons 20% HCL Acid	Callons 20% HCL Acid	Totaling 7500 Gallons	Gallons 20% HCL	20% HCL
			- I i		
KERAKASA	Lo donned 751 to		2000000 14. T.		he deenened 150' to
	33021.		1 1		3067'.
		···			

GENERAL AMERICAN OIL COMPANY OF TEXAS	ANY OF TEXAS	t l		DATA ON WELLS TO BE CONVERTED TO WATER INJECTION
		STACE	111	
OPERATOR:	CAOC	CAOC	GAOC	
WELL NO.:	Keely C #8	Burch B #10	Burch B #11	
LOCATION:	660 FNL & 660 FEL	660 FNL & 1980 FWL	1980 FNL & 660 FWL	
	Sec 25 - 175 - 29E	Sec 30 - 17S - 30E	Sec 30 - 17S - 30E	
ELEVATION:	3602	3612;	36071	The second secon
COMPLETION DATA				
	3120'	3246 '	32541	
Sec. ari				
SURFACE CASING 6:	4591	5081	5231	
SIZE & WI.	8 5/8" 24#	8 5/8" 24#	8 5/8" 24#	
NO. SACKS:	50	205	50	
PRODUCTION CASING (d:	28481	2911'	29251	
SIZE & WT.:	7" 20#	7" 204	7" 20#	
NO. SACKS:	100	100	100	
PRODUCING ZONE:	San Andres	San Andres	San Andres	
INTERVAL:	3027'-3102'	3121' -3240'	3136 - 3250	
THE A PROPERTY OF STANDARD OF				
	•	•	The second secon	to comment of the com
TYPE TREATH NT:	Ac 1 d	ACIG	Acid	entre en la
INTERVAL:	28481-31261	2911 -3246		
VOLUME:	Acidized with 1500	2 Stages Totaling	2 Stages Totaling	
	Gallons of 20% HCL	4500 Gallons 20%	5500 Gallons 20%	
		HCL Acid	HCL Ac1d	
				The second secon
	,	The second section of the second section secti	. The second sec	Terror magnetingster in international professional pages represent the second control of the con
REMARKS:	This well will probably			
	be deepened 75' to			
	3195'.			
				The state of the s
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GRAYBURG GOOPERATIVE AND UNIT AGREEMENT (1-370) EDDY COUNTY, NEW MEXICO

GRAYBURE ZONE: SUMMARY OF OPERATIONS FOR THE PERIOD JANUARY 1, 1968 THROUGH MUNICIPAL 30, 1968 AND AMENDMENT TO ORIGINAL PLAN OF OPERATIONS COVERING THE PERIOD DECEMBER 1, 1965 THROUGH DECEMBER 31, 1969.

70: Mr. John A. anderson Regional Oil and Cas Supervisor United States Geological Survay F. O. Drawer 1857 Roswell, New Mexico 88201

It is intended by General American Oil Company of Taxas, the Unit Operator designated for the Grayburg Cooperative and Unit Agreement, Eddy County, New Mexico, that the Plan of Operation for the Grayburg Zone under the Grayburg Cooperative and Unit Agreement, Oxignally approved by the Oil and Gas Supervisor on April 6, 1944 shall remain in effect for the period December 1, 1968 through December 31, 1969 with the modifications and amendments contained herein.

1. DEVELOPMENT TO DATE: Cumulative oil production from 119 wells completed in the Grayburg Zone amounted to 11,132,534 barrels through November 30, 1968. There were 74,196 barrels of oil produced during eleven months of 1968 from 83 active wells.

2. PLAN OF DEVALORENT:

(a) PROPOSED WELLS:

There are no new wells proposed for 1969.

(b) OPERATIONS OF WATERFLOOD PROJECT:

Total water injected into the original pilot flood amounts to 1,653,800 barrels. Injection into the original pilot area has been temperarily discontinued but may be resumed at a later date. No water was injected into this area during 1966.

Operations of the Grayburg Jackson Pilot Waterflood #2 were continued during the first eleven months during 1968 with a cumulative injection to December 1, 1968 of 1,283,659 barrels. Injection has been into Keely C #18, Keely C #25 and Keely C #37.

(c) EXPANSION OF PROJECT:

The Operator plans to expand its waterflood project during 1969 to include 13 additional water injection wells. The expansion will be accomplished in three stages. Attached is a map showing the proposed first stage expansion in yellow which will include the conversion of seven wells to water injection. This stage will be instigated as soon as the project has been approved by the Oil Conservation Commission.

The second stage shown in brown would include the conversion of three additional wells to water injection and would be put into effect as soon as Sinclair converts their line wells to water injection.

The third stage shown in green will be converted to balance acreage swaps on leases which have overriding royalty and leases which do not have overriding royalty.

The Operator plans to seek approval from the New Mexico Oil Conservation Commission for this project at the earliest date possible. The Operator will seek to get all stages approved under one order. Providing cooperation with Sinclair can be finialized all stages should be completed during 1969.

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION

CASE NO. 4029

1068 1068 BIODIFICATION OF PLAN: With the approval of the Oil and Gas Supervisor, this can be modified from time to time by the Unit Operator to meet changed conditions of the industrial advantage of information from deepening of any well and to meet changed conditions which may develop in the operation of the water injection program as outlined threat. The original Plan of Operation, with this modification to remain in effect the Outh December 21, 1969 on or about which date the Unit Operator shall submit for appropriate of the Oil and Gas Supervisor, a new Plan of Operation or appropriate medication or amendment of the Plan for the calendar year 1970.

Respectfully submitted.

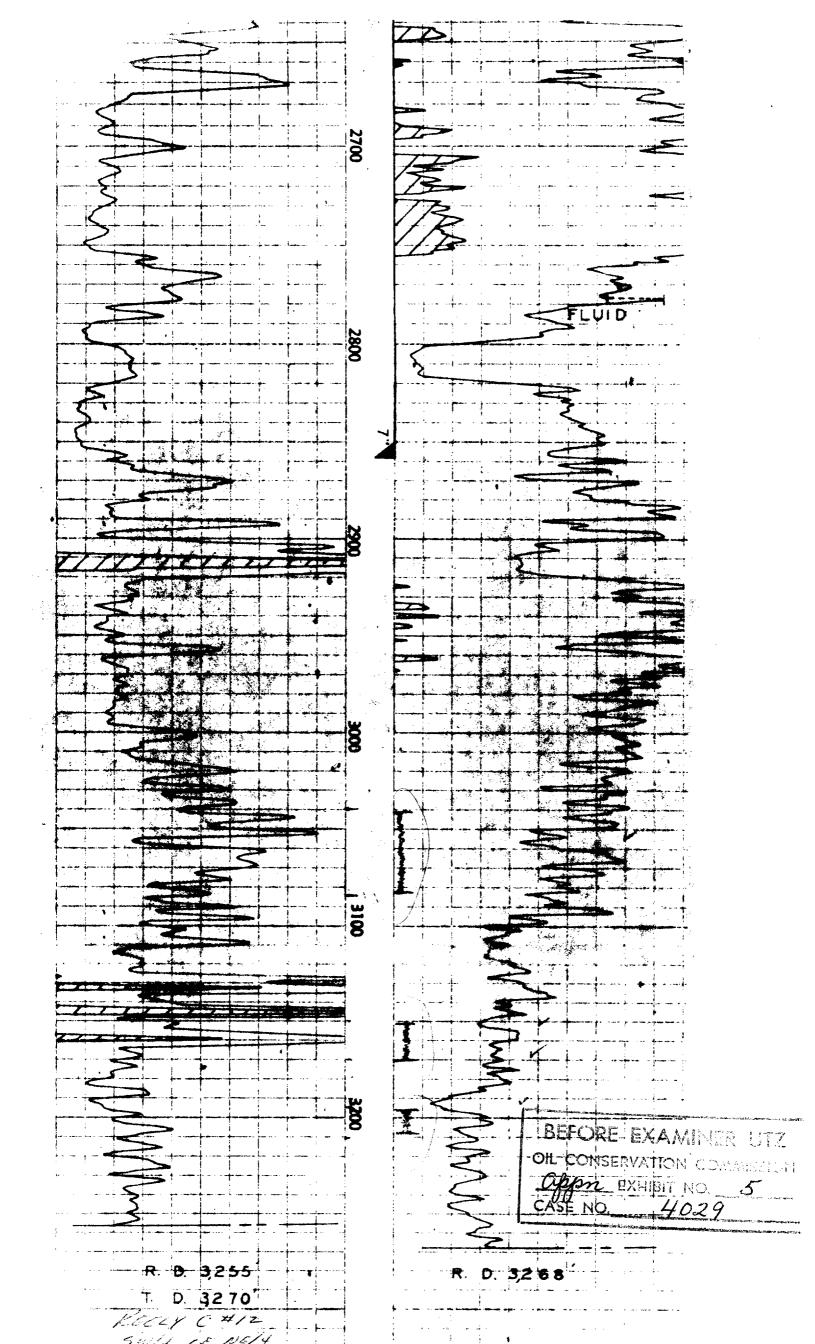
GENERAL AMERICAN OIL COMPANY OF TEXAS

W. H. Walter
District Superintendent

Dated	thi	£	e de la compansión de l	day	of		· · · · · · · · · · · · · · · · · · ·	and agreement of	and the area of the same	_,	1968
a P yr Ov	n n	this	No. No. No. papers 70 .		day	of	·	سريون	1	,, s	19

Regional Oil and Gas Supervisor

Losmell, New Mexico





SINCLAIR OIL CORPORATION

P. O. Box 1470 Midland, Texas 79701 January 15, 1969

SOUTHERN REGION (WEST TEXAS) DOMESTIC OIL & GAS DIVISION

> General American Oil Company of Texas P. O. Box 416 Loco Hills, New Mexico 88255

Attention Mr. Roy Crow

Gentlemen:

We have reviewed your proposed waterflood pattern submitted with your letter of January 9, 1969, concerning the expansion of your San Andres lime pilot flood in cooperation with our Robinson leases.

This is to advise that your plans appear to conform with Sinclair's proposed flood pattern and to advise that we have no objections to your application with the Oil Conservation Commission.

Yours very truly,

SINCLAIR OIL CORPORATION

R. M. Anderson

Region Regulatory Engineer

RMA/nr

BEFORE EXAMINER UTZ.
OIL CONSERVATION COMMINERUM

Offin EXAMET NO. 6

CASE NO. 4029

LAW OFFICES OF

JOHN F. RUSSELL

412 HINKLE BUILDING P. O. DRAWER 640 ROSWELL, NEW MEXICO 88201

January 15, 1969

9 JAN 16

Telephone 622-4641 Area Code 505

Mr. A. L. Porter, Jr. Secretary-Director Oil Conservation Commission Box 2088 Santa Fe, New Mexico 87501

Re: General American Oil Co. of Texas, Case No. 4029

Dear Mr. Porter:

I transmit herewith in triplicate four Exhibits, for filing with the Application in the above numbered case.

Very truly yours,

John F. Russell

JFR:vj Encls. LAW OFFICES OF

JOHN F. RUSSELL

412 HINKLE BUILDING
P. O. DRAWER 640
ROSWELL, NEW MEXICO 88201

December 27, 1968

760 DEC 30 ДН В

TELEPHONE 622-4641 AREA CODE 505

Car 4029

Mr. A. L. Porter, Jr. Secretary-Director Oil Conservation Commission Box 2088 Santa Fe, New Mexico 87501

Dear Mr. Porter:

I transmit herewith, in triplicate, the Application of General American Oil Company of Texas for an expansion of its waterflood project authorized under Order No.R-2324 entered in Case No. 2640.

The Application is being filed at this time in order to make the deadline for the January 22nd hearing. The Exhibits referred to in the Application will be forwarded immediately upon receipt.

Very truly yours,

John F. Russell

JFR:d

Enclosures

DOCKET MAKED

Date

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

January 24, 1969

Mr. Jack Russell
Attorney at Law
Post Office Drawer 640
Roswell, New Mexico 88201

Dear Sir:

Enclosed herewith is Commission Order No. R-3664, entered in Case No. 4029, approving the expansion of the General American Keely "C" Waterflood Project.

Additional injection is to be through the 13 newly authorized water injection wells, each of which shall be equipped with a string of tubing set in a packer located not more than 50 feet above the casing shoe. It is our understanding that all of the injection wells are open-hole completions.

As to allowable, our calculations indicate that when all of the authorized injection wells have been placed on active injection, the maximum allowable which this project will be eligible to receive under the provisions of Rule 701-E-3 is 1960 barrels per day when the Southeast New Mexico normal unit allowable is 42 barrels per day or less if all of the leases were unitized or otherwise consolidated into a single project area.

As you know, however, Commission Order No. 802 dated November 19, 1948, established certain unitized tracts for proration purposes in this project area which followed the lease lines for the Keely B, Keely C, Burch B, and Burch C leases. The waterflood project allowables for each of the unitized tracts are as follows:

Unit W-3 project area SW/4 of Section 26: 210 barrels

Unit G-5 project area S/2 NE/4 and SE/4 of Section 26, N/2 NW/4 of Section 25, and S/2 SW/4 of Section 24: 532 barrels

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

-2-

Mr. Jack Russell Attorney at Law Roswell, New Mexico

January 24, 1969

Unit W-4 project area 5/2 SE/4 of Section 24, NE/4, N/2 SE/4, SW/4 SE/4, S/2 NW/4, and SW/4 of Section 25: 784 barrels

Unit G-2 project area S/2 SW/4 of Section 19 and NW/4 of Section 30: 308 barrels

The difference in the sum of the allowables for the four projects and the total allowable which would be assigned if the entire project area were unitized (1834 barrels vs. 1960 barrels) results from loss of allowable by the injection well in the ME/4 NW/4 of Section 36 (there is no producing well on this lease to assign the allowable to) and no waterflood allowable being assigned to the two wells in the SW/4 SE/4 of Section 19 and the NW/4 ME/4 of Section 30 (there is no injection well on this lease, the Burch C (unitized area W-1).

Please report any error in this calculated maximum allowable immediately, both to the Santa Fe office of the Commission and the appropriate district proration office.

In order that the allowable assigned to the project may be kept current, and in order that the operator may fully benefit from the allowable provisions of Rule 701, it behooves him to promptly notify both of the aforementioned Commission offices by letter of any change in the status of wells in the project area, i.e., when active injection commences, when additional injection or producing wells are drilled, when additional wells are acquired through purchase or unitization, when wells have received a response to water injection, etc.

Your cooperation in keeping the Commission so informed as to the status of the project and the wells therein will be appreciated.

Very truly yours,

A. L. PORTER, Jr. Secretary-Director

ALP/ir Enclosure

cc: Oil Conservation Commission Hobbs and Artesia, New Mexico