

# GREENHILL PETROLEUM CORPORATION DE 1800 :



FAX (713) 955-5105

9 14

Incorporated in Delaware, U.S.A.

November 7, 1990

State of New Mexico Energy and Minerals Dept. Oil Conservation Dept. State Land Office Bldg. P.O. Box 2088 Santa Fe, NM 87501

Attn: Mr. David Catanach

Re: Lovington Paddock

Lea County, NM

Enclosed please find the C-108 and attachments covering the conversion to injection wells in the Lovington Paddock Unit Area. We propose converting the following wells:

Well Numbers: 12, 14, 20, 22, 24, 28, 31, 32, 39, 46, 48, 50, 52, 54, 60

Please call me at (713) 955-1146 in the event you have any additional questions.

Sincerely,

Mike Newport

Landman

MJN:JB Enclosures

Enclosures

cc. State of New Mexico
Oil Conservation District 2
P.O. Box 1980
Hobbs, NM 88240-1980

of the earlier submittal.

# OIL CONSERVATION DIVISION POST OFFICE BOX 2088 STATE LAND OFFICE BOXIDING SANTA FE. NEW MEXICO 87501

FORM C-108 Revised 7-1-81

I.	Application qualifies for administrative approval?	ce Disnosal UStorage
II.	Operator: Greenhill Petroleum Corporation	
	Address: 16010 Barkers Pt., Ste., 325, Houston, TX	77079
	Contact party: Mike Newport P	hone: 713/ 955-1146
III.	Well data: Complete the data required on the reverse si proposed for injection. Additional sheets m	
IV.	Is this an expansion of an existing project? $oxedsymbol{\lambda}$ yes If yes, give the Division order number authorizing the p	roject R184
٧,	Attach a map that identifies all wells and leases within injection well with a one-half mile radius circle drawn well. This circle identifies the well's area of review.	around each proposed injection
VI.	Attach a tabulation of data on all wells of public recorpenetrate the proposed injection zone. Such data shall well's type, construction, date drilled, location, depth a schematic of any plugged well illustrating all pluggin	include a description of each
VII.	Attach data on the proposed operation, including:	
	<ol> <li>Proposed average and maximum daily rate and volu</li> <li>Whether the system is open or closed;</li> <li>Proposed average and maximum injection pressure;</li> <li>Sources and an appropriate analysis of injection the receiving formation if other than reinject</li> <li>If injection is for disposal purposes into a zon at or within one mile of the proposed well, at the disposal zone formation water (may be meas literature, studies, nearby wells, etc.).</li> </ol>	fluid and compatibility with ed produced water; and e not productive of oil or gas tach a chemical analysis of
VIII.	Attach appropriate geological data on the injection zone detail, geological name, thickness, and depth. Give the bottom of all underground sources of drinking water (aqu total dissolved solids concentrations of 10,000 mg/l or injection zone as well as any such source known to be iminjection interval.	geologic name, and depth to lifers containing waters with less) overlying the proposed
IX.	Describe the proposed stimulation program, if any.	
х.	Attach appropriate logging and test data on the well. ( with the Division they need not be resubmitted.)	If well logs have been filed
XI.	Attach a chemical analysis of fresh water from two or mo available and producing) within one mile of any injectio location of wells and dates samples were taken.	re fresh water wells (if n or disposal well showing
XII.	Applicants for disposal wells must make an affirmative sexamined available geologic and engineering data and finor any other hydrologic connection between the disposal source of drinking water.	d no evidence of open faults
XIII.	Applicants must complete the "Proof of Notice" section o	n the reverse side of this form.
XIV.	Certification	
	I hereby certify that the information submitted with thi to the best of my knowledge and belief.	s application is true and correc
	Name: Michael J. Newport Title	Landman
	Signature: Prichael ). Land Dat	10/30/90

#### III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
  - (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
  - (2) Each casing string used with its size, setting depth, sacks of cement used, hale size, top of cement, and how such top was determined.
  - (3) A description of the tubing to be used including its size, lining material, and setting depth.
  - (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.
  - (1) The name of the injection formation and, if applicable, the field or pool name.
  - (2) The injection interval and whether it is perforated or open-hole.
  - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
  - (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
  - (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

#### XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

# Page 3 Continuation

Texaco 10 State 0, Penroc 4 State 182A, Texaco 12 State 0, 10P, 11P, 12P, 6SA, 9SA, 22P, 23P, 58SA, 24P, 8SA, 7SA, 25P, 21SA

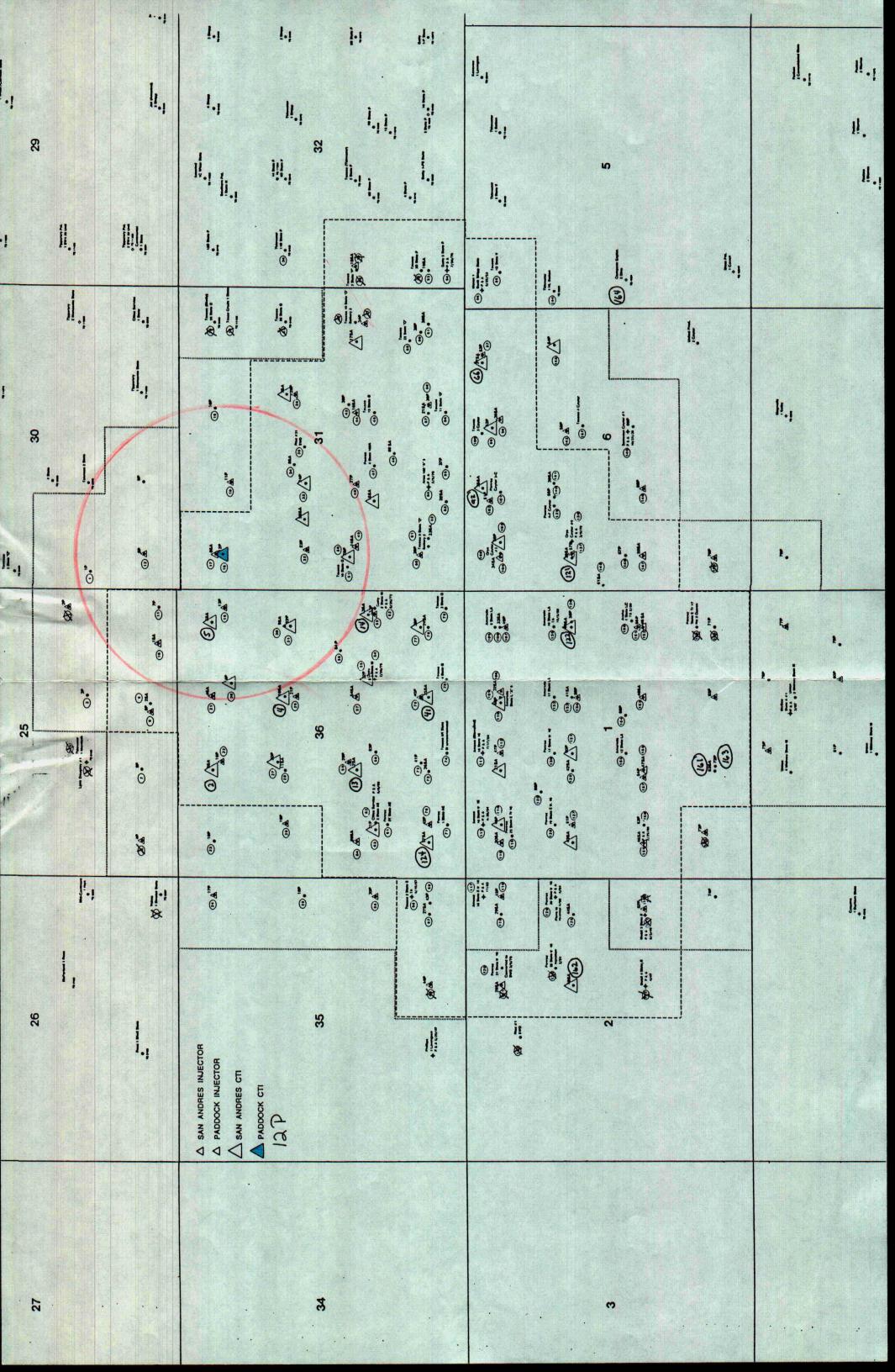
Texaco 10 State 0, Penroc 4 State 182A, Texaco 12 State 0, 10P, 11P, 12P, 6SA, 9SA, 22P, 23P, 58SA, 24P, 8SA, Rice 31 SWD, 37P, 21SA

				· .		768 607 91193		ion Tesas Y/1194	<b></b>		Yates	Mobil		H36E Yatus	H37E Skaton Oll	Tess	
	21		•	<del>2</del>	2		Hess	<del></del> -	Yetes 453 3	Sekio VAAL	Sakto	Soh	10 24			Nearbarg	
					Bonnevil Fuels	le	Y.40, 1/13	oneill Properties 4/43			,			Yatus 2	cities	Nearbuy	
					9 1444	ì		,		1/165 1/165	Yatus 3/12			V	Nearburg	Skalten	
				Yat	دغ		Hess		Tippe	7615	7444	Jibbrand	و <b>ا</b> م	rip in Citics Service	fina	Finq	
;	•								So	hio	Soh	:•	Turac	o		•	
	28			2	Turra		Union		<b>26</b>	<b>*</b>	Cond	• Espl. • *	, ,	मा •		Fina	•
			·					<b>*</b>	witer	011	76	/4cO	1 .	A'		•	
		Yatus	Yutes		Ecto	n	king	TEFALO	Tefaco		•	.,	Æ. <sup>4</sup>		A.	. A	,
		4		•						.	•	."	• 10 • .	.•			
	33 <sub>P+30</sub>	-4	Yates .	TULLED	Hus	<del></del>		l	TEXACO PLINIPS	 	A."	- 12	36 <b>A</b>	• 13	.6."	, , , , , , , , , , , , , , , , , , ,	
T 6 S	TLIACO			Yntes					*	27	, in	• <sup>26</sup>	25	. 24	• 23	•"	
<u>S</u> T 17 S	Amoc	0	Free	d Turner	Mobi	1	Mara		A.23	29	<u>A</u> 30	31	<i>i</i> s. 22	,33	A <sup>34</sup>	38	
<u>-</u>			8TA	<del>-{</del>	Ame	10		•	. 46	."	."	<b>42</b>	."	. <sup>40</sup>	. 39	38   •    -	
	1		Philips	cities	BTA	Phillips	w.	b:\	21   	<b>*</b>	A."	.â <sup>47</sup>	, A.		1		
			Tereco	1-1					Mobil	•	•	. 63	. 52	. 51		Taxaca Phillips	
	Exto	n		Yates				Texa			union	<b>*</b>	•.		•	· Phillips Taxano	
		1			10	·		1 0%-4		<b>*</b>	Hess	] :	12	•		المد	
	oben			ATS	ω		-		11		Union	4	\$ union	Hess	Dra Sol	ney nis	
				· ·				<del></del>	. ;	*			uniar ¢				
	•	•	/	meridian						AJ. Hovey			<del> </del> >			T P	
	16				15		-		Read 54	evens	Devis	l Patroleum	3			·	
٠				•			B7	Λ						<u> </u>		yren	
	_,			<u></u>						·				David Hatrole			
								o pe	۰,۸								

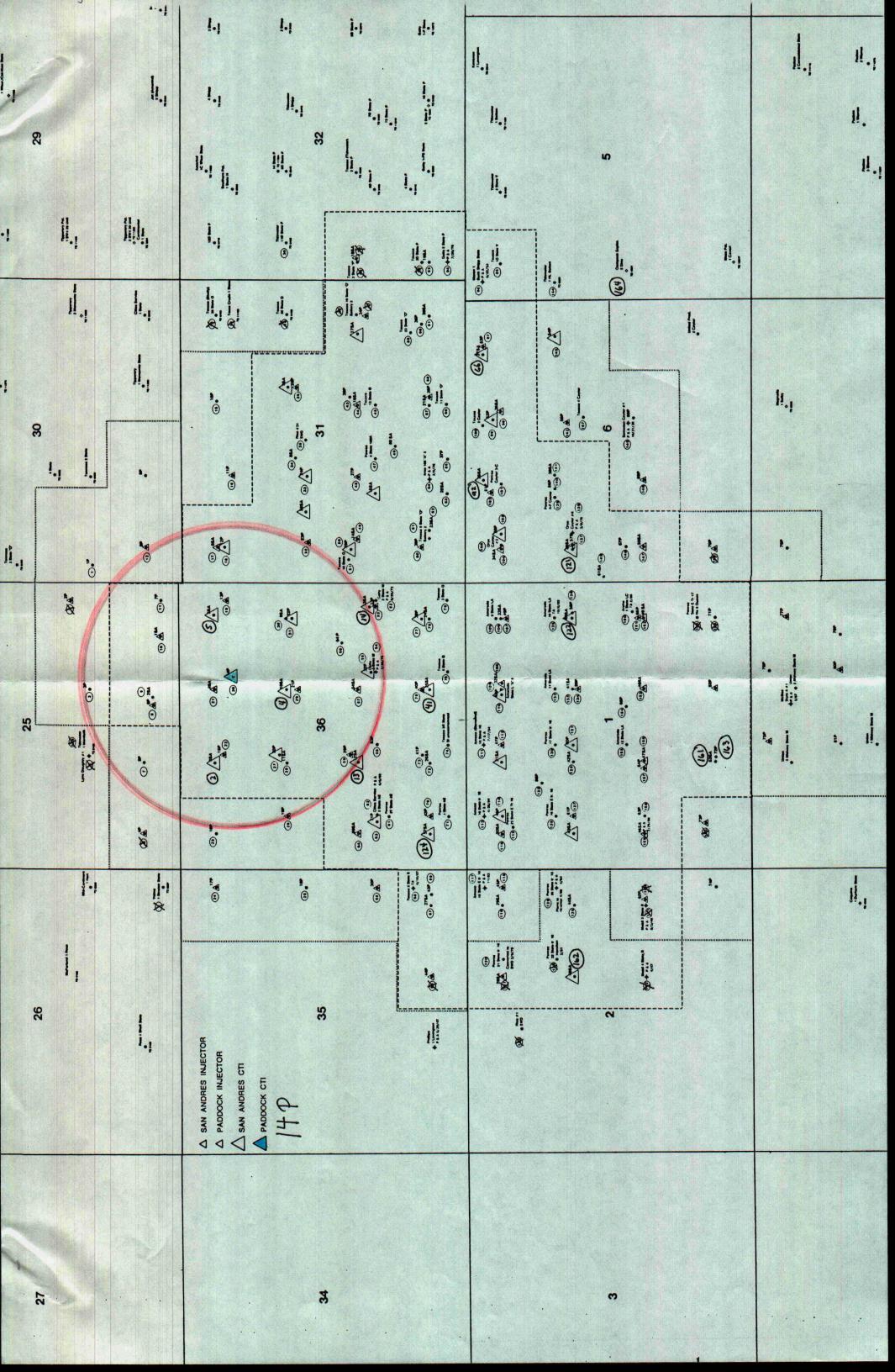
Alexand Americal Principal Politics of Partial Partial Politics of Partial Par								
True formal state of the state	oil	Teess Crade	Panazof l					·
The State of Tiggers of Americal State of State	Nearborg			Americal dil			22	23
Are second  Appearate 77.  Americal Standard Sta				·				V
The Total Design Plant Prints Americal Plant Plant Prints Americal Plant Plant Prints Plant Plan	Yafus	Yales	Atrolm	Amerind				
The Treeto Treeto Indian Particle		•	Ameri-4		Standard 011	Amerind Standard	27	26
Answer  Answer  Answer  Answer  Tendo  Tendo  Tendo  Tendo  Answer  Answer  Tendo  Tendo  Tendo  Answer  Tendo  Tendo  Tendo  Tendo  Answer  Tendo  T		<b>*</b>	ļ	\$ faller				
Transcription  Transcription  Transcription  Transcription  Americal  Americ	· ·	. Ritrelian	Taketo	· Ameriad	1 1	Tesas		
Conto popular Conto popular Conto Co	10 17	1	TUMCO	Teleco			34	35
According to the filter felter for the filter for t								
Ameco  Consider			• ( (			Anerind	11.	·
Ansco  Pantil  Value  Pantil  United  United  United  Falker		& Yates		Canaco		÷	3	2
Benry lasken Faiken  Chevren Consultation  C	SACO	<del></del>	İ	1				
Ameco  Anither Producing Active Empty  Active Producing	o Branch	Braney Fasken	Faiken			Penns	•:1	
Thunt oil column Hunt  Chevren Hunt  Ameco 15	cliner Sahio fort	linicon	Acathera Tanncall Emrgn	1		,	10	11 %
Oneco  Ameco  Ameco  16  15  14	rif.		· · · · · · · · · · · · · · · · · · ·	Comfolidate OII \ E 43				
Ameco Ameco			7	. 16	3		15	14
	ioneca		Hunt					
			•				· Longer	

	pravil Pravil 13 state 14 pall		R38E Yaks Treat TE State	Tale pand
21	22	23	Lovington uniq Lovington  Lovington  24  gidenministry  gidenministry  gidenministry	pagaring pagar Spanis respective Spanis
. !	Champlin RE. Holt Segue 1	pondil si producti si producti si producti	pin my har y grander the grander the grander the grander y heart y has	mentelikh
				mearby 7 July ded 30-D
				- Nelten #3 "1
28	27	28 perfection de Holder gosti mail mil gosti mail militario gosti de la companya	(sant to post for the form of	• £ • 1211 • rbu • 411
		official water welves from the state of the	and of s	р в ври ври ври
		.;	LPN 3 As a	A*
33	34	35	36	.u .'
Ournidall State Well W		\$ . L/M	A 12 A 17 13	£,14 16
i 6		Phillips Longston 1 27	87 p 26 g 26	23
7 " " " " " " " " " " " " " " " " " " "		ON1-011 And 20	A 31 , 32 33	A <sup>34</sup>
Tesas faten men in factor	/Thinks housen	restrict 46	43 41 40	30 934   01
4 with and	3	2	A** A** A**	&** \ \ .'.'.
20 1 436 20 1 436 20 1 436 20 1 436 20 1 561	A line linge federal	L	6	. Lru
ob satet	pl cittes W A well		water the epu	*cpu 71
		¢ comin	e griders e 17	
9	. 10	11 polarisan popular	MM an Hall	
·	Fit Oil	A familied a faile of		
	,	nor a	present & Stephens	Count p(-3
		Meran Hacel	BILL ANCENIANY BOYOR BOYOR MILLIAND BOYOM BILLIAND BOYOM BILLIAND BOYOM BILLIAND BOYOM BILLIAND BOYOM	commit
18	15	14	13 2	11
				,
· · · · · · · · · · · · · · · · · · ·			<del></del>	
	·			

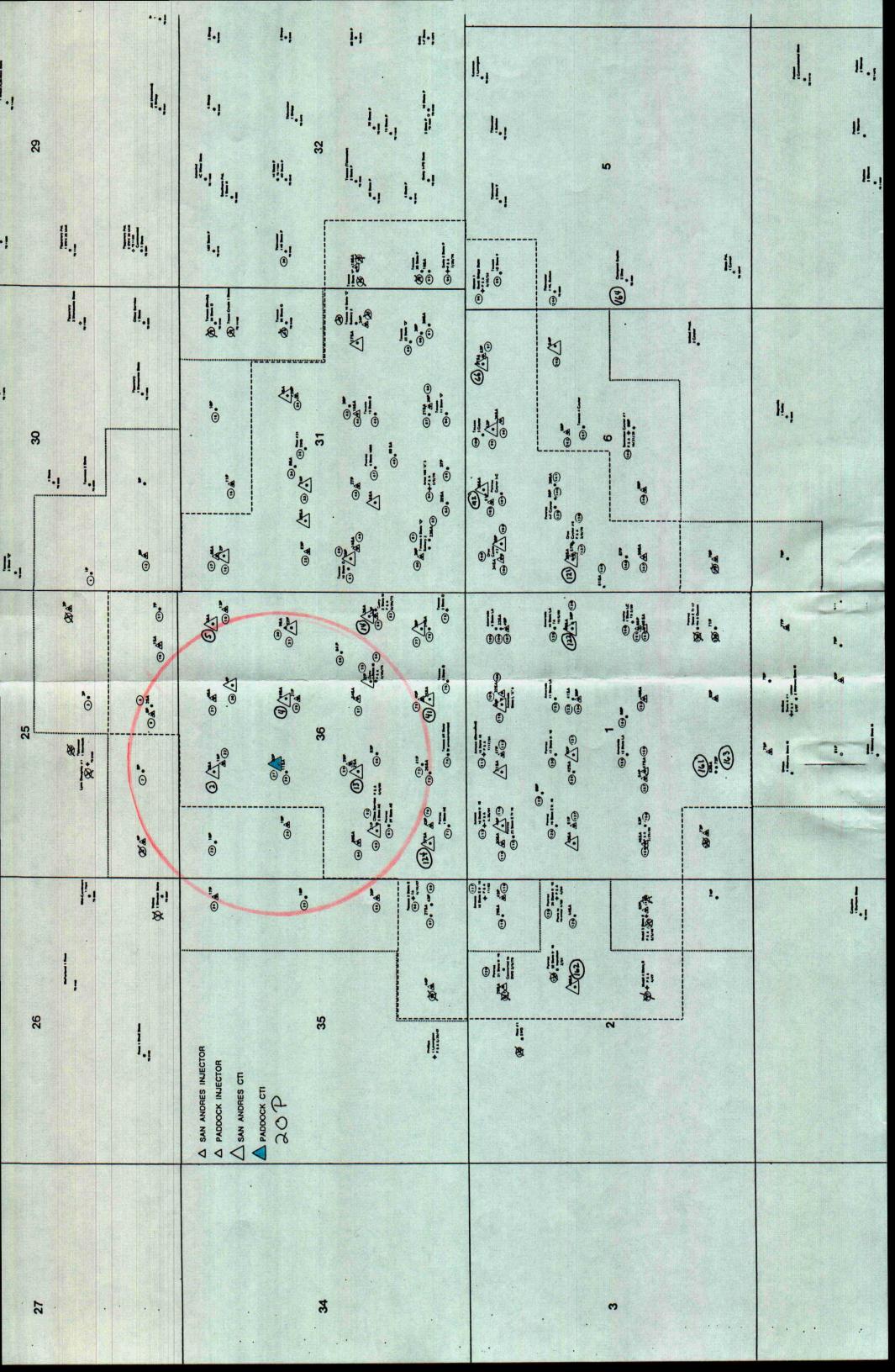
Greenhill Pe	troleum Corporation	Lovington Paddock
OPERATOR		LEASE
12	781' FNL & 660	D' FWL 31 16S 37E
WELL NO.	FOOTAGE LOCA	ATION SEC. TOWNSHIP RANGE
		Tubular Data
		Surface Casing
Spud Date		Size: 13 3/8 " Cemented with 350 SX
4-5-53		TOC: Surface feet determined by calc
,	133/8 11	Hole size: /7 /4
	324'	Intermediate Casing
		Size: 9 5/8 " Cemented with 2600 SX
	L 95/8"	TOC: Surface feet determined by calc.
	4699,	Hole Size: 12 14
		Long String
		Size: 7
		TOC: 2675 feet determined by 70%
Tr	71' 6250'	Hole Size: 8 1/4
11	, 0230	Total Depth: 6250'
		Injection Interval
		6115 feet to 6248 feet (perforated or open-hole, indicate which)
Tubina aira 2	3/8 lined with	
AD 1 PC		(material)
(brand & mode	el)	packer at 6100 feet,
(or describe any	other casing-tubing	ng seal).
Other Data		
1. Name of the	injection formation	
2. Name of Field	d or Pool (If applie	
	w well drilled for that purpose was the	injection? No production well originally drilled? production
	d give plugging det	d in any other zone(s)? List all such perforated tail (sacks of cement or bridge plug(s)
		any overlying and/or underlying oil or gas zones
(pools) in the	h <b>is area.</b> Above Glorieta	



OPERATOR 14		LEASE
14		
	940' FNL & 1741' FEL	
WELL NO.	FOOTAGE LOCATIO	ON SEC. TOWNSHIP RANGE
		Tubular Data
	Su	irface Casing
pud Date 0-27-53	Si.	Lze: 8 5/8 " Cemented with 975 SX
eepen to 6300'	1 1	oc: Surface feet determined by calc
	1 i ·	ole size://
	Ir	ntermediate Casing
	[ <b>]</b>	ize: Cemented with SX
	l oeta	
	2110'	OC: Surface feet determined by temp su
	Ho	ole Size:
	<u>L</u>	ong String
	S	ize: 5 1/2 " Cemented with 400 SX
	T	OC: 3918 feet determined by temp sur
	н	ole Size: 7 7/8
		otal Depth: 6270'
	60791	Step-consistent from the annual formatting and the state of the state
	TD 6270' I	njection Interval
	7	feet to 6300 feet perforated or open-hole, indicate which)
. 2 3	•	
Tubing size 2 3/ Baker AD- 1 PC		(material)
(brand & mode)	pac	ker at 6025 feet.
	other casing-tubing s	eal).
ther Data		
. Name of the in	njection formation	Paddock
. Name of Field	or Pool (If applicab	ole) Paddock
	well drilled for inj at purpose was the we	ection? No 11 originally drilled? Production
. Has the well	ever be perforated in	any other zone(s)? List all such perforated (sacks of cement or bridge plug(s)



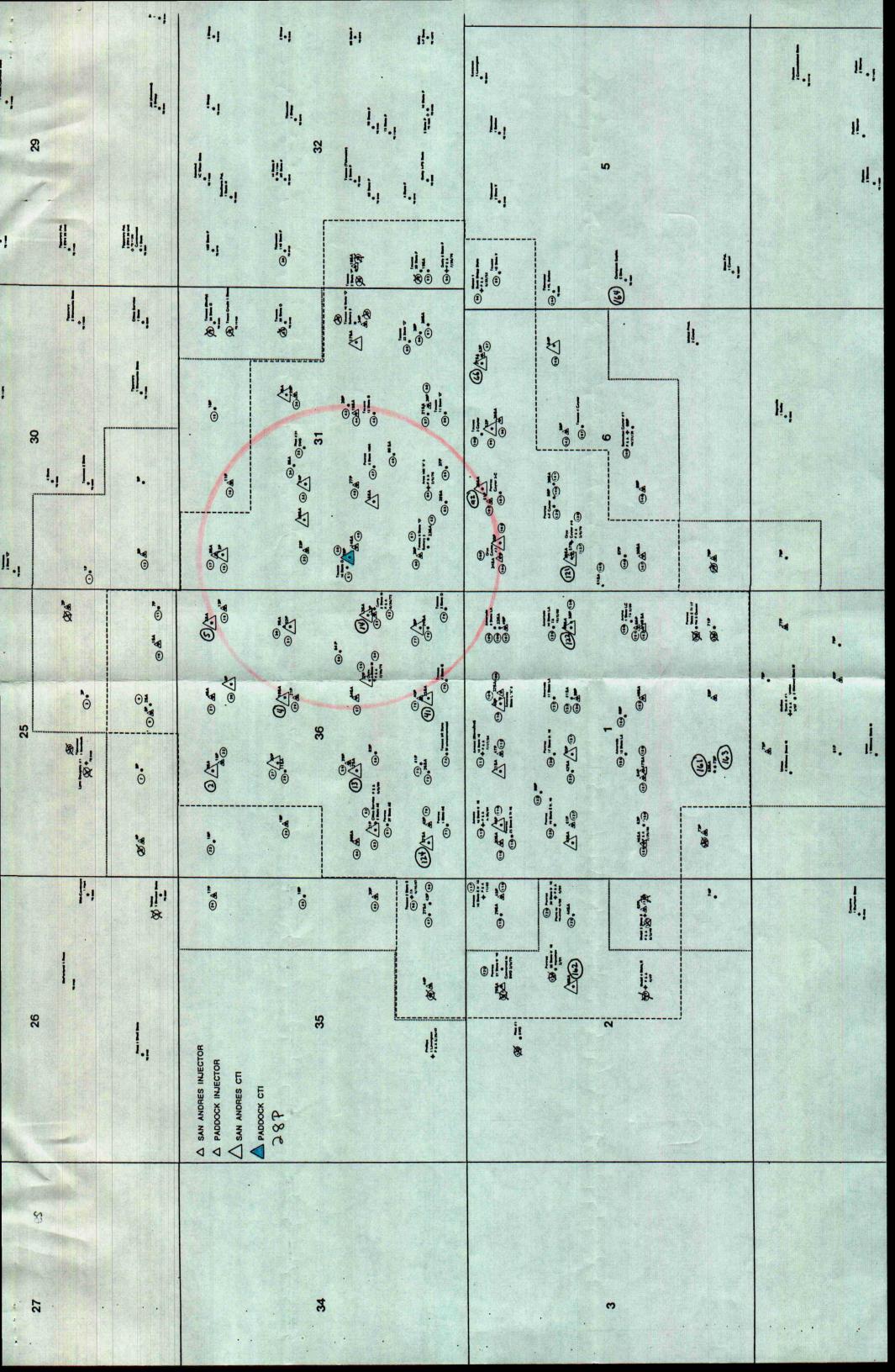
Greenhill Pe	troleum Corporation Lovington Paddock
OPERATOR	LEASE
20 	1830' FNL & 2130' FWL 36 16S 36E
WELL NO.	FOOTAGE LOCATION SEC. TOWNSHIP RANGE
	Tubular Data
pud Date -24-54	Surface Casing
onverted to	Size: 8 5/8 " Cemented with 1800 SX
njection /74	TOC: Surface feet determined by calc
eepen to	Hole size: //
300'	Intermediate Casing
	Size: " Cemented withSX
	3 90' TOC: feet determined by
	Hole Size:
	Long String
	Size: 5 1/2 " Cemented with 500 SX
•	TOC: 3535 feet determined by temp sur
	5 1/2 11 Hole Size: 77/8
-	TD 6262' Total Depth: 6262'
	Injection Interval
	6080 feet to 6300 feet
	(perforated or open-hole, indicate which)
Tubing size 2	3/8 lined with IPC set in a
Baker AD - 1	PC (material) packer at 6000 feet.
(brand & mod	lel)
or describe any	other casing-tubing seal).
ther Data	
. Name of the	injection formation Paddock
. Name of Fiel	ld or Pool (If applicable) Paddock
	ew well drilled for injection? No what purpose was the well originally drilled? Production
	l ever be perforated in any other zone(s)? List all such perforated nd give plugging detail (sacks of cement or bridge plug(s)  No
5. Give the dep (pools) in a	



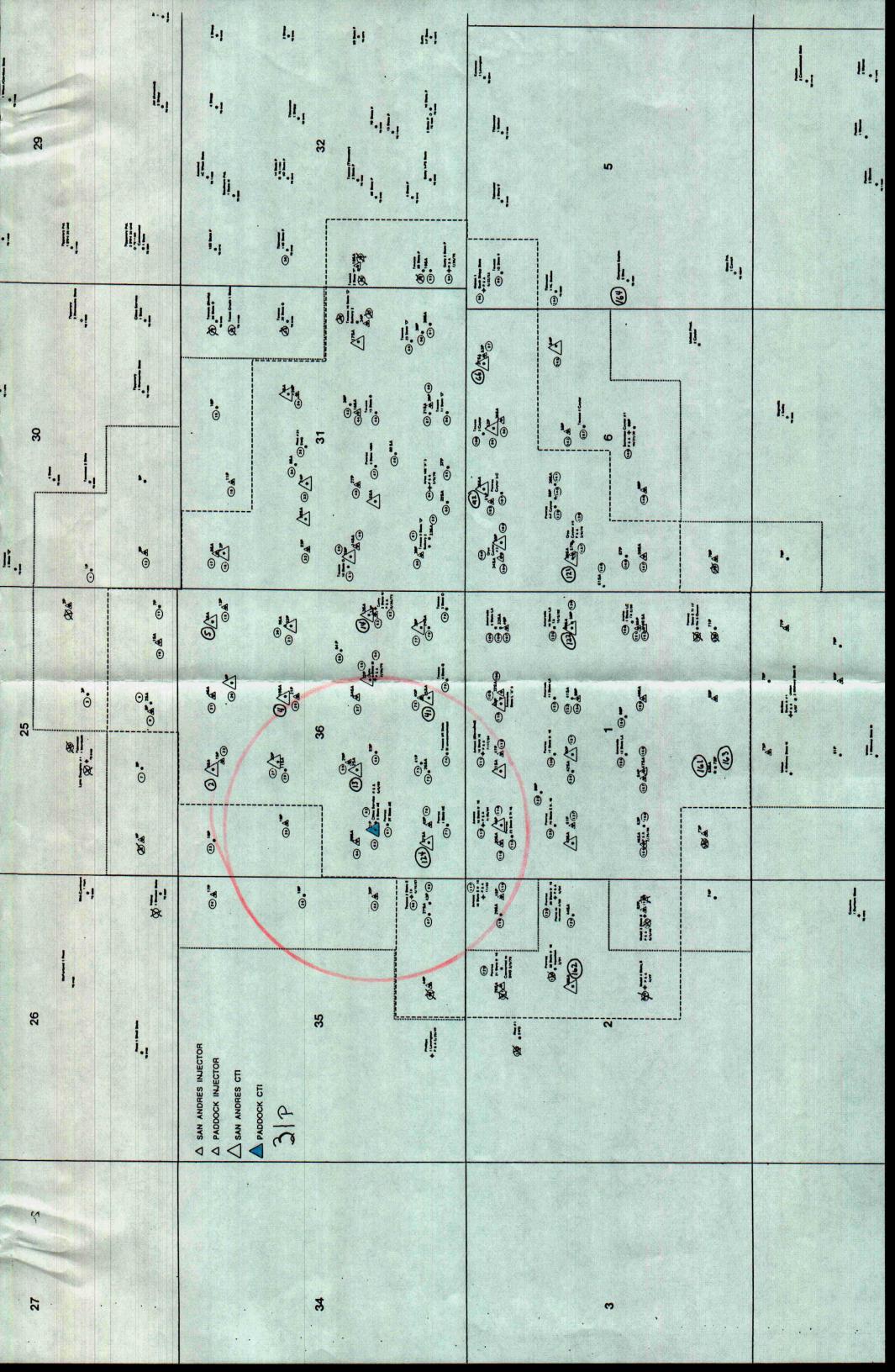
	80' FNL & 660' FEL		LEASE			
_	30' FNL & 660' FEL					
WELL NO.			. 36	165	36E	
	FOOTAGE LOCA	ATION	SEC.	TOWNSHIP	RANGE	
	· .					
•	. •		<u>T</u> u	bular Data		
		Surface	Casing	• .	,	,
oud Date 9-10-52	í <b>f 1</b>			•	4.00	,
					with 400 .	
		TOC: Sui	rtace	feet d	etermined by	calc
	To come of the com	Hole siz	е:	133/8		
2" liner	1021 11	Intermed	late Cas	sing		
73 - 6350	L103/4"	Sizo: 7	5/8	" Camantad	with 2014	SX
plugback from					•	
3					etermined by	Caic.
8603-8117	•	Hole Siz	:e: <u>9</u>	17/8		
6533 - 6464	75/011	Long Str	ing			
6464-6303	1 75/8" 3389."	Size:_5	1/2	" Cemented	with600_	sx
11 out to 6350		TOC:	3581	feet d	letermined by	temp s
·						•
				63/4		ě
	ru d	Total De	epth:	<sup>350</sup> ' 8603	· ,	
To	1- 5/2	Injection	on Inter	<u>val</u>		
	8603	6073		feet to	6350	feet
		(perfora	ated or		Indicate whic	
Tubing size 2 3/	11ned with	. IP				set in a
aker AD - 1 PC		packer at	(mat	arial) 5000	feet.	
(brand & mode		-				
or describe any	other casing-tubin	ng seal).				
her Data						
Name of the i	njection formation	n	Paddoc	اد		
. Name of Field	or Pool (If appl	icable)	Paddo	ick		
			, No		• .	
	well drilled for at purpose was the			drilled?	Production	
	•			.•	nll much no	forsted
intervals and	ever be perforate give plugging de					LOTACEG
	-				, ,	
<ul> <li>Give the dept (pools) in th</li> </ul>	h to and name of . is area.	any overly	ing and/	or underlying	ng oil or gas	zones
7E	Above Glorieta	÷		•	• , ,	

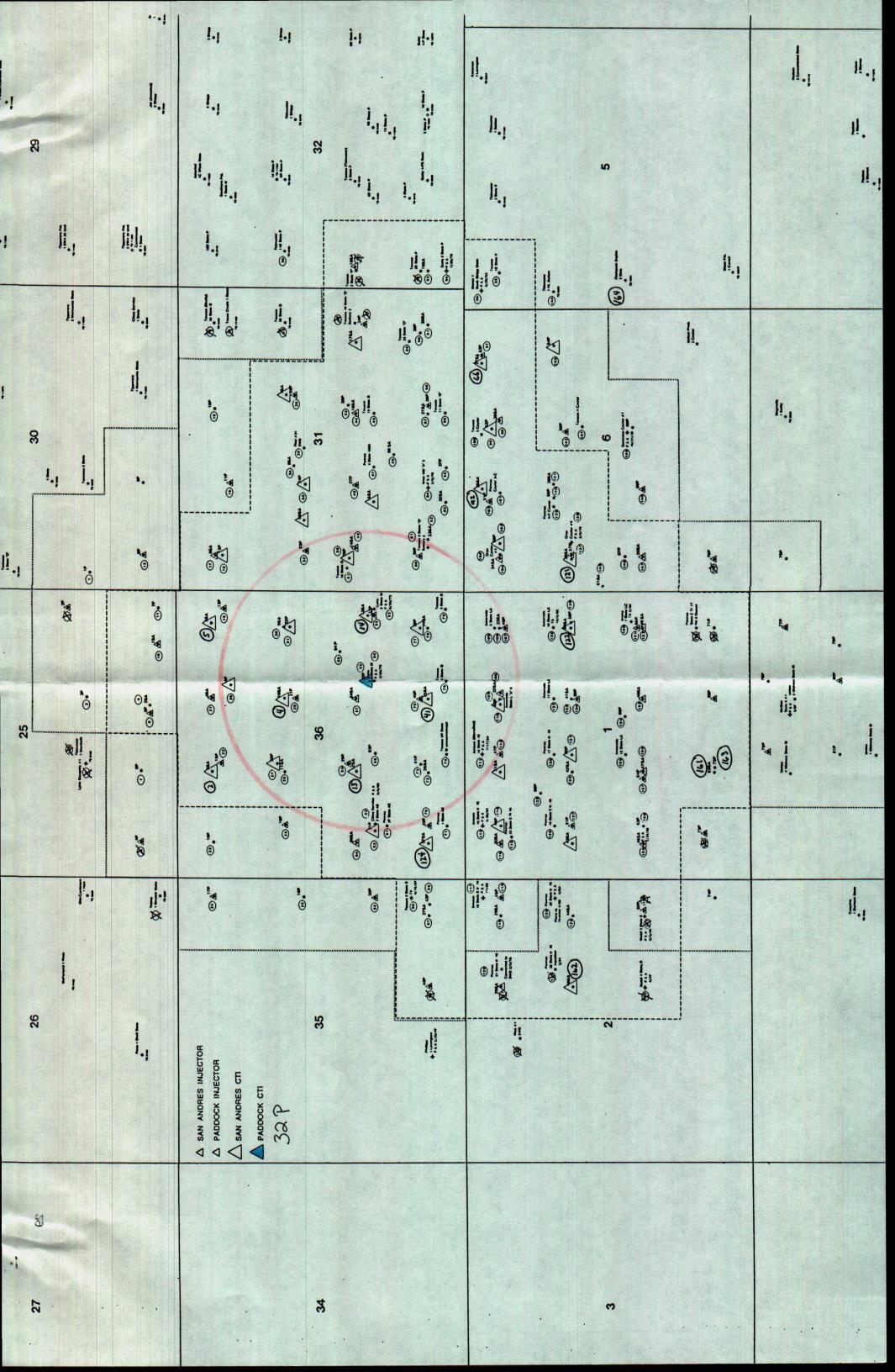
Greenhill Petrole OPERATOR	um Corporation Lovington Paddock LEASE
24	
WELL NO.	2310' FNL & 1968" FWL 31 16S 37E FOOTAGE LOCATION SEC. TOWNSHIP RANGE
	Tubular Data
Spud Date	Surface Casing
9-12-53	Size: 8 5/8 " Cemented with 950 SX
Deepen to 6280	TOC: Surface feet determined by calc.
	Hole size://
	Intermediate Casing
	Size: Cemented withSX
	85/8" Too: Surface feet determined by calc.
	2072' Hole Size:
	Long String
	Size: 5 1/2 " Cemented with 400 SX
	TOC: 4077 feet determined by temp surve
	51/2" Hole Size: 77/8
	6257' Total Depth: 6257'
. <del>"</del>	ID 6257' Injection Interval
	6111 feet to 6280 feet
	(perforated or open-hole, indicate which)
Tubing size 2 3	lined with set in a
Baker AD-1 PC	packer atfeet.
(brand & mod (or describe any	del) vother casing-tubing seal).
Other Data	
1. Name of the	injection formation Paddock
	ld or Pool (If applicable) Paddock
2 To this a po	ew well drilled for injection? No what purpose was the well originally drilled? Production
4. Has the well	l ever be perforated in any other zone(s)? List all such perforated and give plugging detail (sacks of cement or bridge plug(s)  No
(pools) in	pth to and name of any overlying and/or underlying oil or gas zones this area.

Greenhill Petroleum Corporation			Lovington	Paddock	
OPERATOR		LEASE			
28 2108' FSL & 6	24' FWL	. 31	16S	37E	
WELL NO. FOOTAGE LOC	CATION	SEC,	TOWNSHIP	RANGE	
					<del></del>
·		<u>Tul</u>	bular Data		
	Surface C	naina			
Spud Date 5-2-53		_		•	,
J-2-33	Size: 95	<u>, 78                                    </u>	Cemented	with85	0sx
	TOC: Sur	face	feet	determined by	r <u>calc.</u>
	Hole size	:	12/4	•	
	<u>Intermedi</u>	ate Cas	ing	•	
L 95/3 "	•			with	88
2092'				•	
				determined b	у
	Hole Size	:			
	Long Stri	ng			
	Size: 5 1	/2	Cemented	with500	sx
	тос. 38	69	feet	determined b	<b>v</b> 70% c:
51/2"					•
TO 62521	Hole Size		•		
	Total Dep	oth:	5252'	·	
	Injection	ı Interv	ral_	į	
	6110		feet to	6252	feet
	(perforat	ted or o		indicate whi	
Tubing size 2 3/8 lined with	·I				set in a
Raker AD - 1 PC	packer at	(mate 6025	rial)	feet.	•
(brand & model)				1,000,	
or describe any other casing-tubi	ing seal).			•	
ther Data		•			
. Name of the injection formation	n Paddock				
. Name of Field or Pool (If appl	licable) Pac	ldock			
. Is this a new well drilled for	r injection?	No		Production	
If no, for what purpose was the			•		
<ul> <li>Has the well ever be perforate intervals and give plugging do used. No</li> </ul>					erforated
6. Give the depth to and name of	any overlyi	ng and/	or underly	ing oil or ge	as zones
(pools) in this area.  Above Glorieta			,		



Greenhill Re	troleum Corporation Lovington Paddock
OPERATOR	LEASE
31	1650' FSL & 890' FWL 36 16S 36E
WELL NO.	FOOTAGE LOCATION SEC. TOWNSHIP RANGE
	<u>Tubular Data</u>
	Surface Casing
Spud Date 12-16-53	Size: 13 3/8 " Cemented with 350 SX
Deepen to 6295	TOC: Surface feet determined by calc
	Hole size: /71/4
	340' Intermediate Casing
	Size:8 5/8 " Cemented with 2300 SX
	TOC: Surface feet determined by calc
	\( \begin{align*}
	Long String
	Size: 5 1/2" Cemented with 400 SX
	TOC: 4350 feet determined by temp sur
	Hole Size: 778
	5 1/2" Total Depth: 6204'
	Injection Interval
	7D 6204' 6080 feet to 6295 feet
	(perforated or open-hole, indicate which)
Tubing size	2 3/8 lined with IPC set in a (material) 6050 feet.
Baker AD-1 F	oc (material) 6050 feet.
(brand & mod or describe any	el) other casing-tubing seal).
ther Data	
	injection formation Paddock
	d or Pool (If applicable)
	w well drilled for injection? No Production That purpose was the well originally drilled?
. Has the well	ever be perforated in any other zone(s)? List all such perforated ad give plugging detail (sacks of cement or bridge plug(s)
f. Give the dep (pools) in to Above Glor	

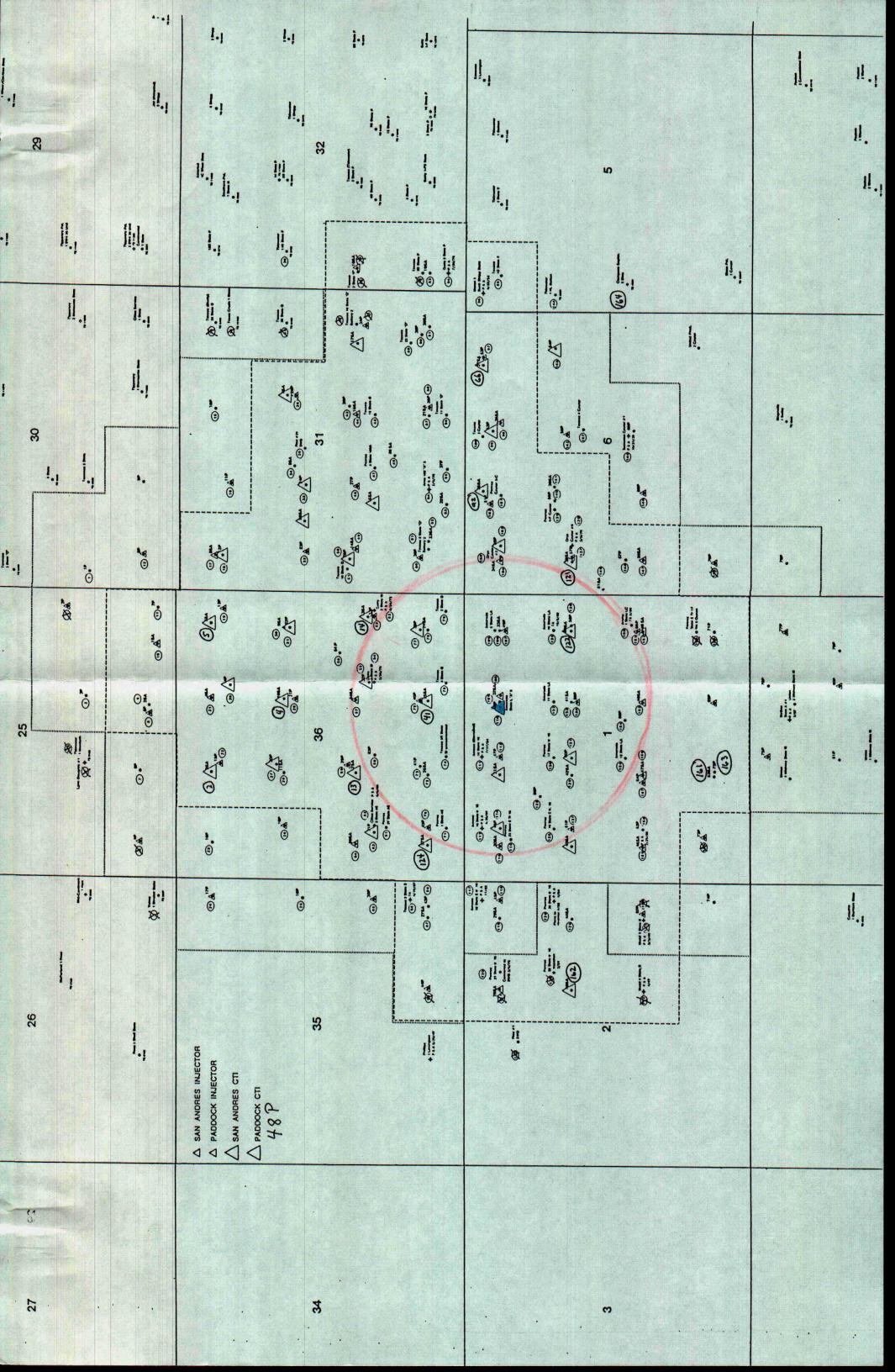




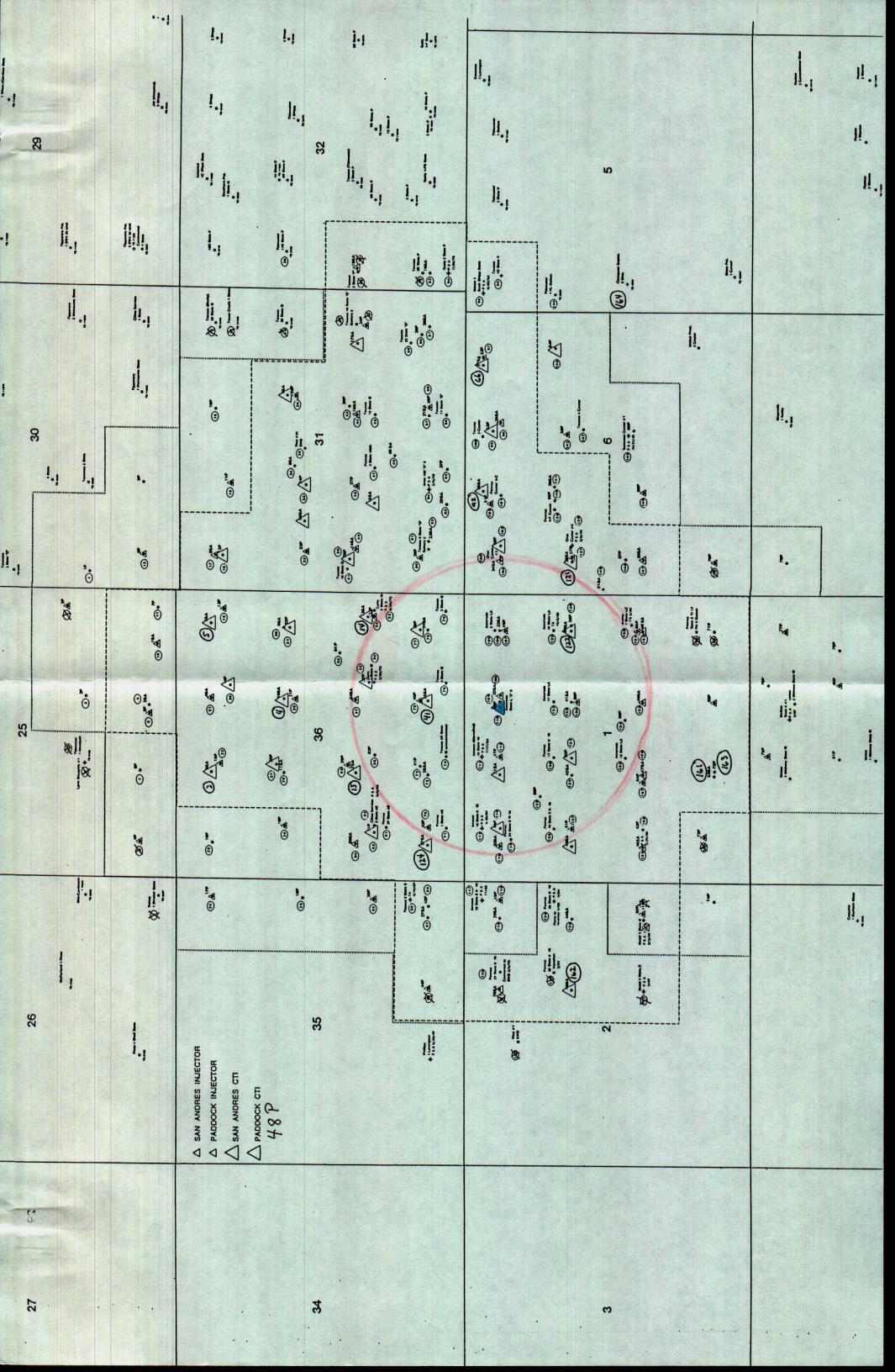
Greenhill Petro	leum Corporation Lovington Paddock
OPERATOR	LEASE
32	1750' FSL & 1650' FEL 36 16S 36E
WELL NO.	FOOTAGE LOCATION SEC. TOWNSHIP RANGE
	Tubular Data
	Surface Casing
Spud Date	Size: 8 5/8 " Cemented with 1000 SX
3-19-53	TOC: Surface feet determined by <u>Calc</u>
	Hole size: //
	Intermediate Casing
	Size: Cemented withSX
	TOC: feet determined by
	Hole Size:
	Long String
	Size: 5 1/2 " Cemented with 300 SX
	TOC: 4400 feet determined by temp sur
	151/2" Wala Strain 77/0
	TD 6229
	Total Depth: 6229'
	<u>Injection Interval</u>
	6060 feet to 6199 feet
	(perforated or open-hole, indicate which)
Tubing size $\frac{2}{}$	3/8 lined with IPC set in a (material)
Baker AD-1 PC	packer at 6000 feet.
(brand & mod or describe any	el) other casing-tubing seal).
ther Data  . Name of the	injection formationPaddock
	D. II. I
. Name of Fiel	
. Is this a ne If no, for w	w well drilled for injection?  No hat purpose was the well originally drilled?  Production
	ever be perforated in any other zone(s)? List all such perforated ad give plugging detail (sacks of cement or bridge plug(s)  No
	th to and name of any evertwing and/or underlying all and and
Give the dep (pools) in t	th to and name of any overlying and/or underlying oil or gas zones this area.
Above Glor	ietta

Greenhill Petroleu	m Corporation	Lovington Paddock
OPERATOR		LEASE
39	810' FSL & 660'	FEL 36 16S 36E
WELL NO.	FOOTAGE LOCA	TION SEC. TOWNSHIP RANGE
,	,	Tubular Data
		Surface Casing
Dooron to 5000	н	,
Deepen to 6280		Size: 8 5/8 " Cemented with 900 . SX
		TOC: Surface feet determined by calc
		Hole size: _//
		Intermediate Casing
		Size: Cemented with SX
	L 85/811	TOC: feet determined by
	20401	Hole Size:
		Long String
	•	Size: 5 1/2 " Cemented with 275 SX
		TOC: 4632 feet determined by temp su
•		•
		Hole Size: 77/8
	51/2 11	Total Depth: 6229'
· · ·	D 6229'	Injection Interval
1.	J 622 7	6017
	•	(perforated or open-hole, indicate which)
Tubing size 2 3	/8 lined with	IPC set in a
Baker AD - 1	DC	(material)
(brand & model		packer at 5950 feet.
	ther casing-tubing	g seal).
Other Data		
L. Name of the in	jection formation	Paddock ·
2. Name of Field	or Pool (If applie	cable) Paddock
	well drilled for a	injection? No well originally drilled? Production
		in any other zone(s)? List all such perforated ail (sacks of cement or bridge plug(s)
<ol><li>Give the depth (pools) in thi</li></ol>		ny overlying and/or underlying oil or gas zones
Above Glorie		

Greenhill Peti	roleum Corporation Lovington Paddock
OPERATOR	LEASE
46	560' FNL & 990' FWL 1 17S 36E
WELL NO.	FOOTAGE LOCATION SEC. TOWNSHIP RANGE
	Tubular Data
	Surface Casing
Spud Date 11-20-54	
Deepen to 6300'	Size: 8 5/8 " Cemented with 1250 . SX
beepen to 0300	TOC: Surface feet determined by calc
	Hole size: 1214
	Intermediate Casing
	L 85/811 2057' Size: Cemented withSI
	TOC:feet determined by
	Hole Size:
	Long String
	Size: 5 1/2 " Cemented with 350 S
•	TOC: 3077 3700 feet determined by temp sur
	Hole Size: 7 7/8"
	5/2" VDb2' Total Depth: 6220'
· ·	Injection Interval
	6034 feet to 6300 feet
	(perforated or open-hole, indicate which)
Tubing size 2 3/	8 lined with IPC set in a
Baker AD - 1 PC	(material) packer at 6000 feet.
(brand & model or describe any o	) ther casing-tubing seal).
ther Data	
<del>-</del>	jection formation Paddock
	Daddook
. Name of Field	
	well drilled for injection? No t purpose was the well originally drilled? Production
	ever be perforated in any other zone(s)? List all such perforated give plugging detail (sacks of cement or bridge plug(s)
(pools) in thi	to and name of any overlying and/or underlying oil or gas zones s area.

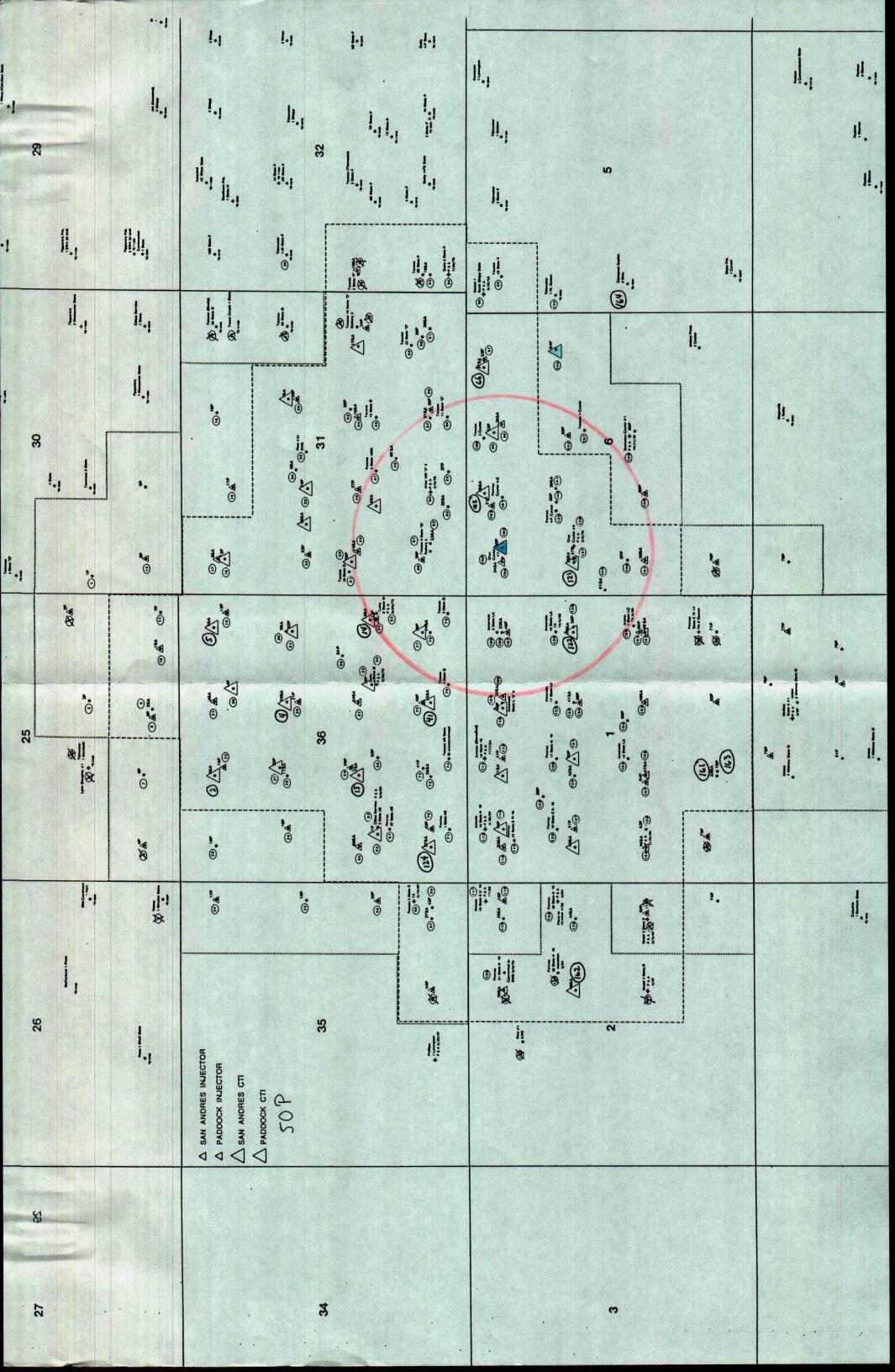


Greennill Petrol	eum Corporation		Lov	ington Paddoc	:k		
OPERATOR			LEASE				
48	660' FNL & 20		. 1	17S	36E		
WELL NO.	FOOTAGE LOCA	NOIT	SEC.	TOWNSHIP	RANGE		
			T	ubular Data			
eepen to 6260	111	Surface	Casing	• .	,	•	
		Size: 13 3/8 " Cemented with 300 sx					
		TOC: Su	ırface :	feet de	termined by	<u>calc</u>	
		Hole siz	:e:	171/2	•		
	1133/3	Intermed	liate Ca	sing	•		
	L85/811	Size: 8	5/8	" Cemented	with 1500	sx	
	ઝાક્મ'	TOC:	602	feet de	etermined by	temp surve	
		Hole Si	ze:	11			
		Long St	ring			٠	
		Size: 5	1/2	" Cemented	with 550	sx	
•	·	<b>TOC:</b> 3	712	feet d	etermined by	temp survey	
	5 1/2" · 60301	Hole Si	ze:	778		•	
	TD 6235'	Total D		6235'		;	
			on Inter	rva1			
		6030			6260	E	
		(perfor	ated or	feet to open-hole, i		feet	
Tubing size	2 3/8 lined with	IF	o C			set in a	
Baker AD -	1 50	packer at		terial)	feet.		
(brand & mo	odel)	-			1.000.		
	ny other casing-tubin	g seal).					
Other Data							
1. Name of the	a injection formation	·	Pack	er			
2. Name of Fig	eld or Pool (If appli	cable) <u>F</u>	addock	· · · · · · · · · · · · · · · · · · ·			
	new well drilled for what purpose was the		• • • • • • • • • • • • • • • • • • • •	odrilled? _F	Production		
	ll ever be perforated and give plugging det o					forated	
	epth to and name of a	my overly	ing and	or underlyir	ng oil or gas	zones	
	this area.						
Above Glor	leta			•	•		

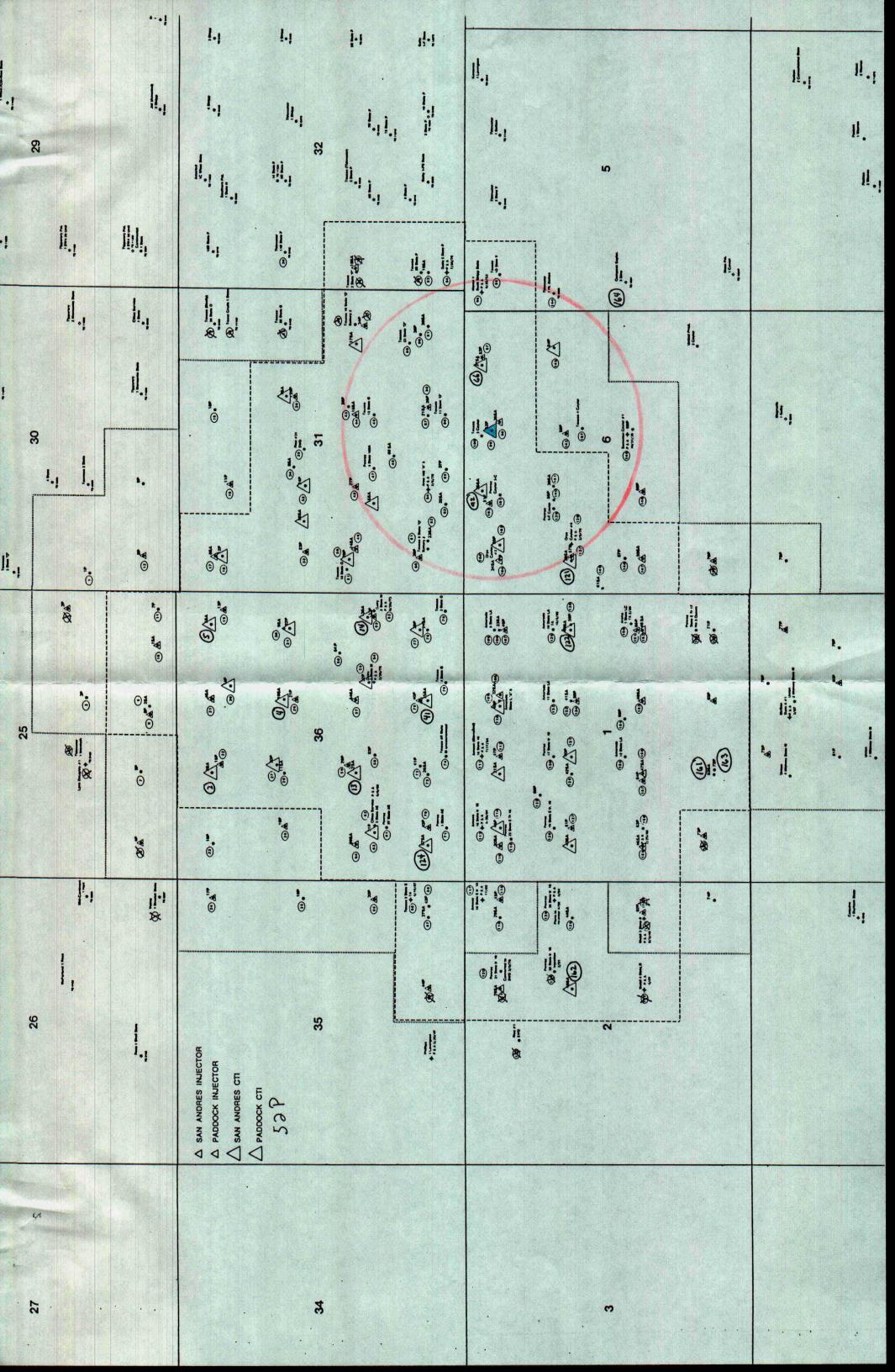


	Lovington Paddock	troleum Corporation	Greenhill Petrol
<del></del>	LEASE		OPERATOR
	6 17S 37E	660' FNL & 902' FWL	50
	SEC. TOWNSHIP RANGE	FOOTAGE LOCATION	WELL NO.
	Tubular Data		
•			eepen to 6260
,	ce Casing		
	13 3/8 " Cemented with		
by <u>calc</u>	Surface feet determined by		
	size: 17 /4		
	mediate Casing	1133/8" Inte	
X2	9 5/8 " Cemented with 1550	Size	
by calc	Surface feet determined by	Toc:	
	Size: 12 <sup>1</sup> / <sub>2</sub>	3093 Hole	
	String	Long	
sx	5 1/2 " Cemented with 500	Size	
by temp su	4150 feet determined by	TOC:	
•	Size: 8 <sup>3</sup> /4	5/211	
;		110 02 12	-10
	Depth: 6292'	Tota	
	ction Interval	Inje	
feet	feet to 6292 feet to 6292 for to open-hole, indicate which	(na)	
•			ruhim sim 2 3/8
set in a	(material)	3/8 lined with	
<b>.</b>	at 6000 feet.	1)	ker AD - 1 PC (brand & model)
	).	other casing-tubing seal	r describe any oth
	•		ther Data
•	<sup>2</sup> addock	njection formation	. Name of the inje
· · · · · · · · · · · · · · · · · · ·	Paddock	i or Pool (If applicable	. Name of Field or
<u>1</u>	ion? No originally drilled? Production	w well drilled for inject that purpose was the well	
perforated	y other zone(s)? List all such perfacks of cement or bridge plug(s)		
perf	y other zone(s)? List all such perf	ever be perforated in a digive plugging detail (	4. Has the well eve intervals and giused.

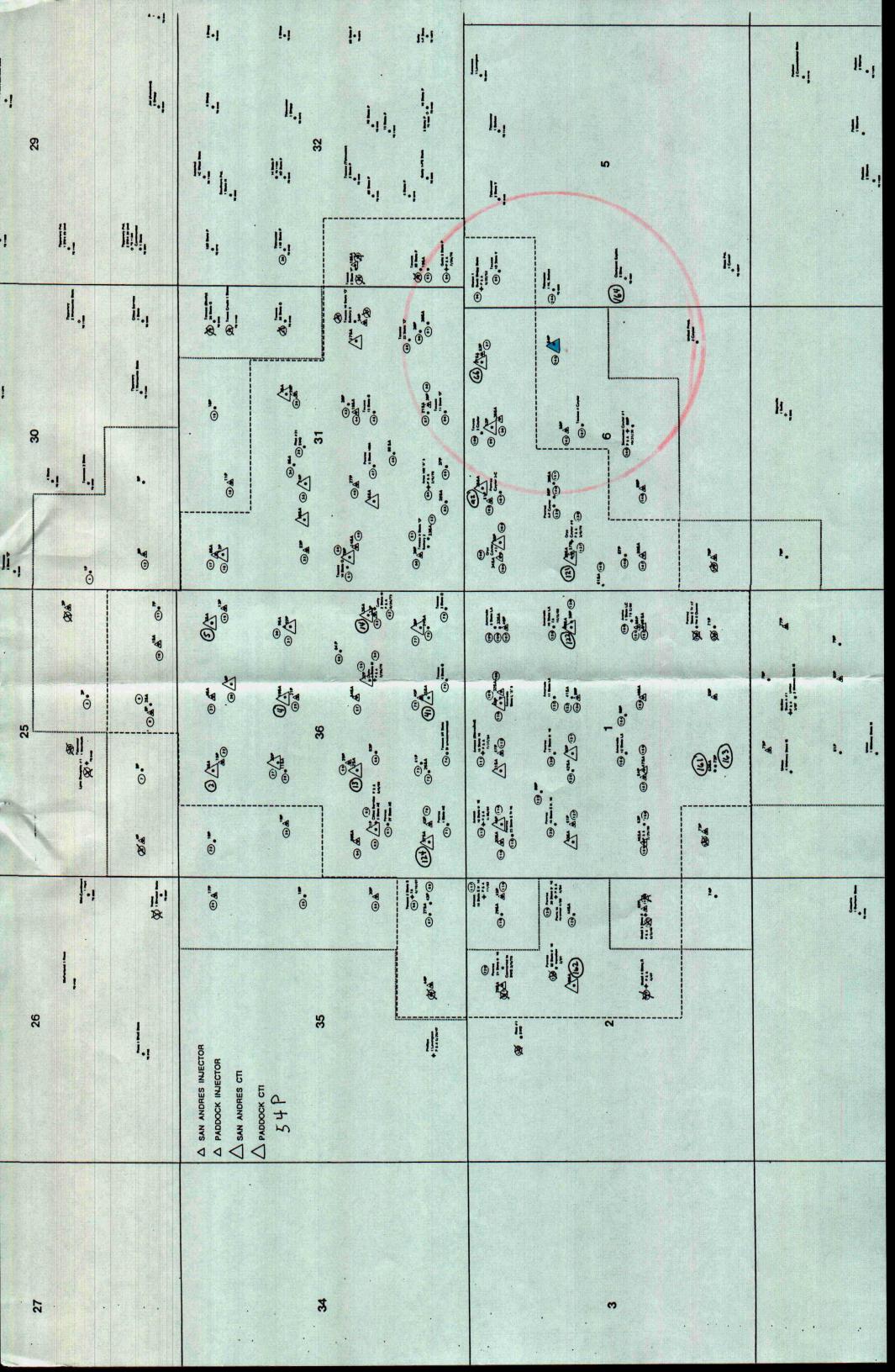
Above Glorieta



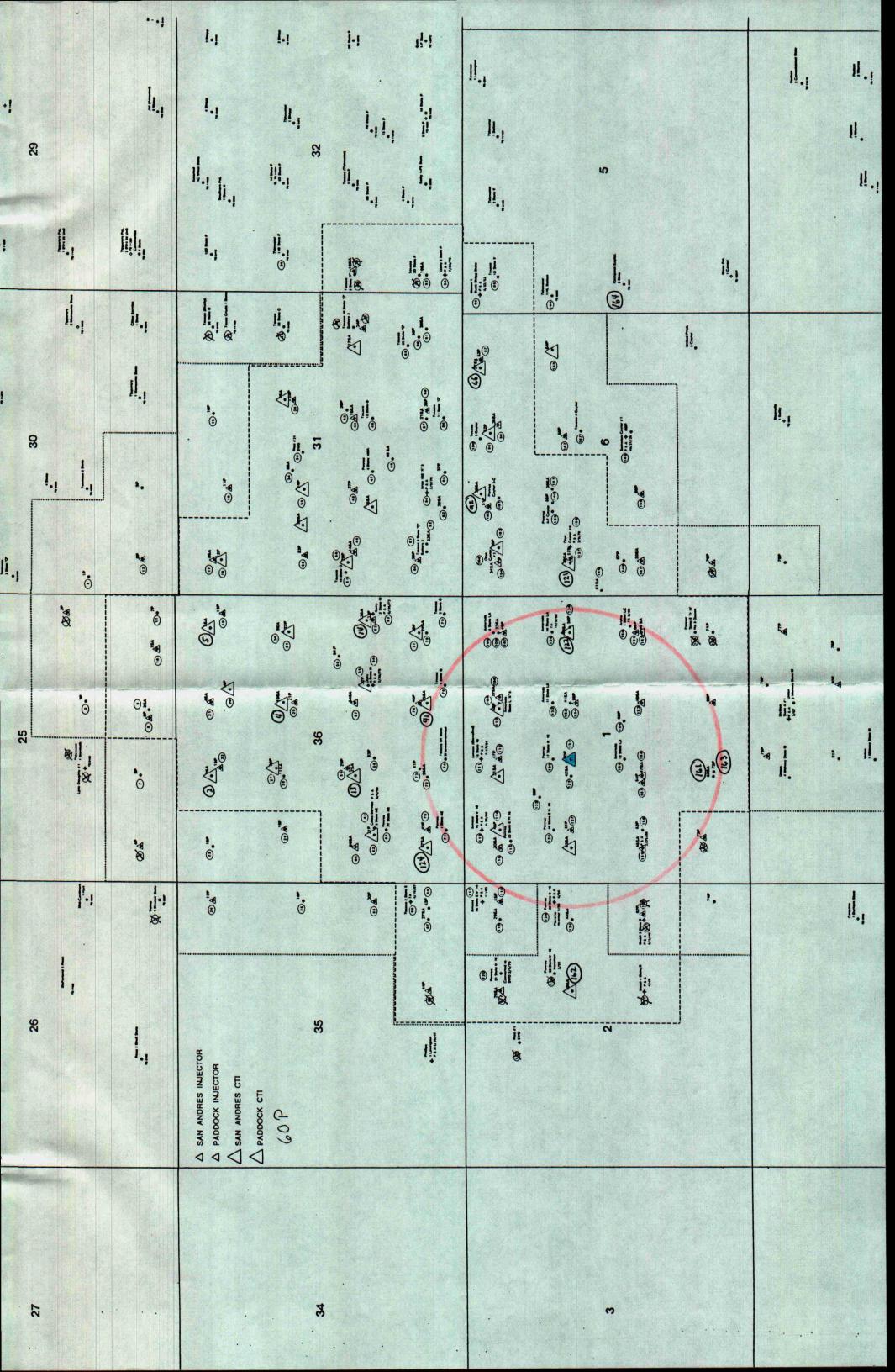
Greenhill Petro	Sleum Corporation	Lovington Paddock
OPERATOR		LEASE
52	510' FNL & 2190' FEL	
WELL NO.	FOOTAGE LOCAT	TION SEC. TOWNSHIP RANGE
	·	
•		Tubular Data
Spud Date		Surface Casing
10-31-53	ìl	,
		Size: 8 5/8 " Cemented withSX
		TOC: Surface feet determined bycalc
		Hole size:
		Intermediate Casing
	and the state of t	Size: Cemented with SX
		TOC: feet determined by
	85/8"	
	31281	Hole Size:
		Long String
		Size: 5 1/2 " Cemented with 400 SX
	·	TOC: 4220 feet determined by temp sur
	51/2" . 6090'	Hole Size: 7 1/8
	TD 6250'	Total Depth: 6250'
	•	Injection Interval
		6090 feet to 6250 feet
•		(perforated or open-hole, indicate which)
Tubing size _	2 3/8 lined with	IPC set in a
Baker AD- 1	PC	(material) packer at 6000 feet.
(brand & m		
•	ny other casting custing	, seal).
Other Data		
1. Name of th	e injection formation	Paddock
2. Name of Fi	eld or Pool (If applic	eable) Paddock
	new well drilled for i what purpose was the	injection? No well originally drilled? Production
4. Ilas the we	11 ever be perforated	in any other zone(s)? List all such perforated ail (sacks of cement or bridge plug(s)
	epth to and name of an	ny overlying and/or underlying oil or gas zones
•	Cloriota	



Greenhill Petroleur	n Corporation			Lovington Pa	addock	
OPERATOR			LEASE			
54	1650' FNL & 60	60' FEL	· 6	175	37E	
WELL NO.	FOOTAGE LOCA		SEC.	TOWNSHIP		
·			Tu	bular Data		
pud Date		Surface	Casing	<b>.</b> .	•	•
-6-54				Cemented	with <u>1595</u> .	sx
		TOC: SI	ırface	feet d	etermined by	calc .
		Hole si	ze:	11	•	
			diate Cas			٠
	85/811				with	
	3185	TOC:	····	feet d	etermined by	•
		Hole Si	ze:	·		
		Long St	ring			
•		Size:_	5 1/2	" Cemented	with 435	sx
	51/211.	TOC: 35	37	feet d	letermined by	temp sur
	101351	Hole Si	ze:	77/8		•
	TD 6250'		epth:	6250'	<del></del>	,
					**************************************	
			on Inter	val	•	
		613		feet to		feet
		••	ated or	open-nore,	Indicate which	n <i>)</i>
Tubing size 2	$\frac{3/8}{}$ lined with	· IPC				set in a
aker AD - 1 PC	•	packer at	6075	erial)	feet.	
(brand & mode)		•				
(or describe any o	ther casing-tubi	ng seal).				
Other Data						
. Name of the in	njection formation	n	Paddock		·	
2. Name of Field	or Pool (If appl	icable)	Paddock			·
	well drilled for at purpose was th		M	No drilled?	Production	
	ever be perforate give plugging de					forated
	h to and name of	any overly	ying and/	or underlyi	ng oil or gas	zones
(pools) in the	e Glorieta				•	
VUUM,	c alviteta	,				



OPERATOR  60  WELL NO.  ud Date -11-54  epen to 6290	1980' FNL & 2		LEASE  1 SEC.	17S TOWNSHIP	36E RANGE	
well NO.  ud Date -11-54						
ud Date -11-54			SEC.			
-11-54						
-11-54			•			<del></del>
-11-54			Tub	ular Data		
		Surface C	asing		,	,
epen to 6290		Size: 8 5	/8 ~	Cemented	with1200.	sx
		Toc: Sur	face	feet d	etermined by	calc .
		Hole size	1:	12 44	•	
		Intermedi	ate Casi	.ng		•
		Size:		Cemented	with	sx
		TOC:		feet d	etermined by	
	20401	Hole Size	3: <u> </u>			
	2040	Long Stri	<u>lng</u>			
		Size: 5	1/2 "	Cemented	with 350	SX
	·	TOC: 38	341	feet d	etermined by	temp sur
	•	Hole Size	e:	77/8		•
	51/211	Total Dep	pth:	6220'		•
<u>.</u>	TD. 6220'	Infection		al		
		6060		feet to	6290	feet
		(perfora	ted or o		ndicate whic	-parrows
Tubing size 2 3/8	lined with	IPC				set in a
Baker AD - 1	nc			rial)	£	
(brand & model	)	packer at			feet.	
-	ther casing-tubing	z seal).				
Other Data		Б				
Name of the in	jection formation	Paddoc				
. Name of Field	or Pool (If applic	cable)	Paddock	· · · · · · · · · · · · · · · · · · ·		
	well drilled for t t purpose was the			rilled? _	Production	
	ver be perforated give plugging deta	•				forated:



	properties present		IAT		
tilled ek State ek State ek	Committee 20	faments faments granted grante			
Holiday Montalyte	Americal ton derig	21 20 "/ (k: n 20 "/	22	23	
164	Anthe		monfeith	V	
in did monertet	Vates Estados Lorington Americal An State Americal	Grady Americal	ରି : ଜ୍ୟା		
Here   Free es	State 29 29 Tipperest Jipperest itud - wither 21	28	27	25	
Tiperory postable Tiperory Off of \$ 01 gents	A Tipping	Stall Homestake Section  Stall Homestake Section  Stall Homestake Section  Stall Shipp well		,	
<del>\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\</del>	into a state & Americal of Stirp of Sti	angers Americal Americal	2		
. 10	state greate state grant of Tidesanter 23th;  The state of 32	33	34	35	
P) 17	Country Terres to the	AV americal Heart			
	figure Tillianter Remarks	Tighting Tighting , To High	1	1	
LPHET LPH SY Traces Weight	o Terato pts. Ballon 'A"  Sempart  Sept   Ding	Times . Tiffered francol . All things Tion . The friend friend friend friend friend friend friend freil	3	2	
* LP4	Compelly plan 1-5  heard covered	Acceptance formand to provide the property formand to provide the provide to provide the p			
+ megas ka	Folking w2	Tay 13 tate (well frame)			
	falka by fal	l Jung 9	10	11	
	Falken Falken  Hale IV provid  Hale IV provid  Ken Hale IV provid	state   Stalidated			
٨٠٠٠ المارة	Considered A Dull 1 plants plants plants				
A, co with	17	16	; 15	14	
	•				
			GREENH	ILL PETROLEUM CORPORATION	
	رد		10V	NGTON SAN ANDRES UNIT Lea County, New Mexico	
			· · ·		

#### VI. Listed below is a tabulation of all wells which are in a 1/2 mile area of review.

- 60 P Texaco 5R State, Amoco 16 State TR18, Amoco 15 State 18, Amerada 10 State LA, Amerada 9 State LA, Penroc 23 TR18, Penroc 19 State E TR18, Penroc 17 State TR18, Amerada 11 State LA, Amerada 12 State LA, 53SA, 72P, 46SA, 63P, 64P, 47SA, 48SA, 85P, 58P, 40SA, 59P, 41SA, 60P, 42SA, 61P, 43SA, 65P, 32SA, 48P, 47P, 31SA, 46P, 30SA
- 46 P Cities #2 State AE, Penroc 2y State AE, Texaco 2 State, Texaco 5R Sate, Penroc 1 State AE, Amoco 15 State 18, Amerada State LA 9, Penroc 23 State TR18, Amoco 18 State TR18, Penroc 19 State E TR18, Penroc 17 State TR18, Amerada 11 State LA, 27SA, 43P, 57SA, 42P, 26SA, 41P, 29SA, 45P, 30SA, 46P, 31SA, 47P, 48P, 32SA, 85P, 44SA, 43SA, 61P, 42SA, 60P
- 48 P Getty 3 State M, Texaco 3 State O, Texaco 4 State O, Texaco 5R State, Penroc 1 State AE, Amoco 16 State TR18, Amoco 15 State 18, Amerada 8 State LA, Amerada 9 State LA, Penroc 23 State E TR18, Penroc 19 State E TR18, Penroc 17 State TR18, Amerada 11 State LA, Amerada 10 State LA, Amerada 12 State LA, 54SA, 83P, 32P, 39P, 24SA, 25SA, 40P, 41P, 26SA, 42P, 30SA, 46P, 31SA, 47P, 48P, 32SA, 33SA, 49P, 58P, 40SA, 41SA, 59P, 60P, 42SA, 85P, 61P, 65P, 48SA
- Texaco 10 State O, Arco 182 A3, Texaco 9 State O, Texaco 3 State O, Getty 2 State M, Texaco 4 State O, Texaco 5R State, Getty 3 State M, Amoco 15 State 18, Amerada State LA9, Amerada State LA, Amerada 10 State LA, Oryx Caylor 3, Amerada 10 State LA, 9 SA, 22P, 21P, 23P, 15SA, 14SA, 28P, 13SA, 33P, 84P, 32P, 54SA, 83P, 41P, 40P, 25SA, 39P, 24SA, 38P, 23SA, 22SA, 50P, 34SA, 33SA, 49P, 32SA, 48P
- Texaco #4 Caylor, Oryx Caylor 6, Amerada 10 State LA, Penroc 4-F Caylor, Texaco 3 Caylor, Penroc Caylor 3-C, Oryx Caylor #3, Amerada 8 State LA, Texaco 3 State O, Getty 2 State M, Texaco 9 State O, Arco 182 A3, Texaco 11 State O, 15 SA, 60SA, 39P, 24SA, 38P, 23SA, 22SA, 37P, 52P, 36SA, 35SA, 51P, 50P, 34SA, 33SA, 49P, 40SA, 58P, 39SA, 57P, 55P, 56P, 38SA, 61SA, 67P, 50SA
- 54 P Tidewater 1 H.L. Batton, Compass Expl. 5 Dina, Texaco 4 Caylor, Samedan #1 Caylor, Texaco 3 Caylor, Moran # Bunk Shipp, Texaco 1D State, Getty 5 State P, Texaco 11 State O, 35R, 36P, 20SA,

#### Page 2 Continuation

52P, 53P, 36SA, 37SA, 54P, 55P, 38SA

- Texaco 12 State O, Penroc 4 State 182A, Texaco 23 State O, Texaco 11 State O, Arco 182 A3, Texaco 9 State O, Moran Bank Shipp State, Texaco #3 Caylor, Penroc Caylor 3C, Oryx Caylor #3, Oryx Caylor #6, Penroc 4F Caylor, Texaco #4 Caylor, Samedan Caylor #1, 26P, 16SA, 15SA, 60SA, 35P, 36P, 20SA, 21SA, 37P, 22SA, 23SA, 34SA, 50P, 35SA, 51P, 36SA, 37SA, 53P, 54P, 38SA, 56P
- 31 P City Service 2 State AE, Penroc 2y State E, Texaco 5R State, Penroc 1 State AE, Texaco 2 State S, Amoco State E TR18, Amoco 16 State TR18, Penroc 23 State E TR18, Amoco 15 State TR18, 18P, 19P, 20P, 11SA, 30P, 59SA, 12SA, 29P, 54SA, 83P, 30P, 27SA, 43P, 57SA, 42P, 26SA, 41P, 40P, 25SA, 45P, 30SA, 46P, 31SA
- 32 P Texaco 10 State 0, Getty 2 State M, Getty 3 State M, Cities 2 State AE, Texaco 5R State, Texaco 4 State 0, Texaco 3 State 0, Amerada 8 State 8, Amerada 8 State 9, Amoco 15 State 18, 14P, 20P, 11SA, 10SA, 21P, 22P, 9SA, 23P, 14SA, 28P, 84P, 29P, 12SA, 54SA, 13SA, 33P, 83P, 26SA, 41P, 40P, 25SA, 39P, 24SA, 38P, 33SA, 32SSA, 48P
- 20 P Getty 3 State M, Cities 2 State AE, Penroc 2y State E, 41P, 83P, 32P, 54SA, 12SA, 29P, 59SA, 12SA, 29P, 84P, 22P, 9SA, 21P, 10SA, 20P, 11SA, 19P, 18P, 16P, 3SA, 15P, 4SA, 14P, 2SA, 6P, 5P
- 14 P Getty 3 State M, 3P, 5P, 6P, 2SA, 1SA, 7P, 12P, 6SA, 13P, 5SA, 14P, 4SA, 15P, 3SA, 20P, 11SA, 10SA, 2LP, 9SA, 22P, 84P, 54SA, 29P, 54SA, 84P, 32P
- 22 P Texaco 10 State 0, Getty 2 State M, Getty 3 State M, 1SA, 7P, 4SA, 14P, 5SA, 13P, 6SA, 12P, 24P, 58Sa, 23P, 9SA, 10SA, 21P, 20P, 11SA, 54SA, 84P, 32P, 13SA, 28P, 14SA, 39P, 24SA
- 12 P Rice 31 SWD, Texaco 10 State 0, 1P, 1SA, 7P, 8P, 9P, 11P, 6SA, 12P, 13P, 3SA, 14P, 4SA, 9SA, 22P, 23P 58SA, 24P, 8SA, 28P, 14SA
- 28 P Rice 31 SWD, Getty 3 State M, Getty 2 State M, Texaco 10 State O, Penroc 4 State 182A, Arco 182 A3, Texaco 9 State O, Texaco 3 State O, 6SA, 13P, 12P, 11P, 8SA, 24P, 58SA, 23P, 22P, 9SA, 84P, 54SA, 32P, 13SA, 33P, 14SA, 15SA, 27P, 20SA, 16SA, 37P, 22SA, 23SA, 38P, 39P, 24SA

Greenhill Petro	
OPERATOR	LEASE
# 1	1655' FSL & 330' FEL 30 16S 37E
WELL NO.	FOOTAGE LOCATION SEC. TOWNSHIP RANGE
	Tubular Data
	Surface Casing
Completed 8-25-54	
	13'8 TOC: Surface feet determined by calc
	785' Hole size: 15"
	Intermediate Casing
	Size: 8-5/8 " Cemented with 1600
	TOC: Surface feet determined by cir
	85/8
	3205 Hole Size: 10-3/4"
	Long String
	Size: 5-1/2 " Cemented with 425
•	TOC: 4080 feet determined by 707
	Hole Size: 7-7/8"
	70 ()17' Total Depth: 6277'
	Injection Interval
	feet tofeet
•	(perforated or open-hole, indicate which)
Tubing size	lined with set in
, <b>–</b>	(material) packer atfeet.
(brand & model) or describe any ot	) ther casing-tubing seal).
ther Data	
. Name of the inj	jection formation
. Name of Field	or Pool (If applicable) Paddock
. Is this a new w	well drilled for injection? No
	t purpose was the well originally drilled? Production
	ver be perforated in any other zone(s)? List all such perforated give plugging detail (sacks of cement or bridge plug(s)
NO	·

Greenhill Petro	leum Corporatio	n		ton San And	res Unit	···
OPERATOR		•	LEASE	,		
	660 FNL & 198			T16S		
WELL NO.	FOOTAGE LOCA	IIION	SEC.	TOWNSHIP	RANGE	
,			<del></del>			
	•		Tu	bular Data		
		Surface	Casing			
	11.	Size:	8 5/8 ~	Comented	with450	sx
		TOC:	Surface	feet d	etermined by	_calc.
		Hole si	ze:	11	·	
		Interme	diate Cas	ing		
Completed					with	gy
11/19/45	- Z082					•
deapen to 5090					etermined by	**************************************
		Hole Si	ze:			
		Long St	ring		,	
	4618	Size:	5 1/2	Cemented	with375	sx
•	-4625 TD	TOC:	2575	feet d	etermined by	80% calc
٠	. ,1025	Hole Si	.ze:	7 7/8		•
		•		4625'		÷
					. (	
			on Interv	•		_
		(perfor	/8 ated or o	feet to open-hole, i	S090 ndicate which	h) feet
Tubing size 23/8"	lined with				•	set in a
			(mate	erial)		
(brand & model)	•			73 /8	feet.	
(or describe any other	er casing-tubin	g seal).				
Other Data	•				·	
1. Name of the inject	ction formation		San An	dres		····
2. Name of Field or	Pool (If appli	cable)	Loving	ton San And	res	
3. Is this a new well If no, for what p				drilled?	Production	·
4. Has the well ever intervals and give used.	t be perforated ve plugging det	in any c ail (sack	ther zone	e(s)? List ent or bridg	all such per	:forated
5. Give the depth to (pools) in this a	and name of a		•		ng oil or gas	zones
Hndarlyi	na = Gravbura			•	, , , >	

# 3 1980' FSL & 1980' FEL 25 16S  WELL NO. FOOTAGE LOCATION SEC. TOWNSHIP  Tubular Data  Spud Date 11-03-53  Size: 10-3/4 " Cemented with 3 TOC: Surface feet determined by Hole size: 13-3/4"  Intermediate Casing Size: 7-5/8" Cemented with 1740 TOC: Surface feet determined by Hole size: 9-7/8"  TOC: Surface feet determined by Hole size: 9-7/8"  Long String Size: 5-1/2" Cemented with 120 TOC: 3225 feet determined by Hole size: 6-3/4"  TOC: 3225 feet determined by Hole size: 6-3/4"  Total Depth: 6300'  Injection Interval	OPERATOR	oleum Corporation		Lovington LEASE	<del></del>	<del></del>
Spud Date 1-03-53  Surface Casing Size: 10-3/4 " Cemented with 3 TOC: Surface feet determined by Hole size: 13-3/4"  Intermediate Casing Size: 7-5/8" Cemented with 1744 TOC: Surface feet determined by Hole size: 9-7/8"  Long String Size: 5-1/2" Cemented with 120 TOC: 3225 feet determined by Hole size: 6-3/4" Total Depth: 6300' Injection Interval		1980' FSL & 198	80' FEL			36E
Spud Date 1-03-53  Size: 10-3/4 " Cemented with 3 TOC: Surface feet determined by Hole size: 13-3/4"  Intermediate Casing Size: 7-5/8" Cemented with 1744 TOC: Surface feet determined by Hole size: 9-7/8"  Long String Size: 5-1/2" Cemented with 120 TOC: 3225 feet determined by Hole size: 6-3/4" Total Depth: 6300' Injection Interval	WELL NO.	FOOTAGE LOCATION	ON	SEC.	TOWNSHIP	RANGE
Size: 10-3/4 " Cemented with 3  TOC: Surface feet determined by Hole size: 13-3/4"  Intermediate Casing Size: 7-5/8" Cemented with 1744  TOC: Surface feet determined by Hole size: 9-7/8"  Long String Size: 5-1/2" Cemented with 120  TOC: 3225 feet determined by Hole size: 6-3/4"  Total Depth: 6300'  Injection Interval				<u>Tubular</u>	<u>Data</u>	
Size: 10-3/4 " Cemented with 3 TOC: Surface feet determined by Hole size: 13-3/4"  Intermediate Casing Size: 7-5/8" Cemented with 1740 TOC: Surface feet determined by Hole size: 9-7/8"  John Hole size: 9-7/8"  Long String Size: 5-1/2" Cemented with 120 TOC: 3225 feet determined by Hole size: 6-3/4"  Total Depth: 6300' Injection Interval		1.11	Surface C	asing		
Hole size: 13-3/4"  Intermediate Casing  Size: 7-5/8" Cemented with 1740  TOC: Surface feet determined by  Hole size: 9-7/8"  Long String  Size: 5-1/2" Cemented with 120  TOC: 3225 feet determined by  Hole size: 6-3/4"  Total Depth: 6300'  Injection Interval	11-03-33		Size: 10-	3/4 " Cem	ented with	300 SX
Intermediate Casing Size: 7-5/8" Cemented with 1744 TOC: Surface feet determined by Hole size: 9-7/8" Long String Size: 5-1/2" Cemented with 120 TOC: 3225 feet determined by Hole size: 6-3/4" Total Depth: 6300' Injection Interval			TOC: Surf	ace feet	determined	by calc
Intermediate Casing  Size: 7-5/8" Cemented with 1744  TOC: Surface feet determined by  100 Size: 9-7/8"  100 Size: 9-7/8"  100 String  Size: 5-1/2" Cemented with 120  TOC: 3225 feet determined by  Hole size: 6-3/4"  Total Depth: 6300'  Injection Interval			Hole size	: 13-3/4"		
TOC: Surface feet determined by Hole size: 9-7/8"  3570'  Long String  Size: 5-1/2" Cemented with 120  TOC: 3225 feet determined by Hole size: 6-3/4"  Total Depth: 6300'  Injection Interval			Intermedi	ate Casing	l	
35/8"   Hole size: 9-7/8"     3570'			Size: 7-5	5/8" Cemer	nted with 17	40 SX
3570' Long String Size: 5-1/2" Cemented with 120 TOC: 3225 feet determined by Hole size: 6-3/4" Total Depth: 6300' Injection Interval			TOC: Surf	ace feet	determined	by calc
Long String Size: 5-1/2" Cemented with 120 TOC: 3225 feet determined by Hole size: 6-3/4" Total Depth: 6300' Injection Interval	TY2" liner	1 14	Hole size	9-7/8'	ı	
Size: 5-1/2" Cemented with 120  TOC: 3225 feet determined by Hole size: 6-3/4"  Total Depth: 6300'  Injection Interval		3570'	Long Str	ing		
Hole size: 6-3/4"  Total Depth: 6300'  Injection Interval			Size: 5-	l/2" Cemer	nted with 12	00 SX
Total Depth: 6300'  Injection Interval			TOC: 322	25 feet	determined	•
Injection Interval			Hole size	e: 6-3/4"		surve
<u>Injection Interval</u>		51/2" TO 6300'	Total Dep	oth: 6300	,	
- feet to - f		,	Injection	<u>ı Interval</u>		
(perforated or open-hole, indica			- (perforat			feet ate whi

Tubing size

lined with

set in a

packer

at feet. (Or describe any other casing-tubing seal).

## Other Data

- 1. Name of the injection formation:
- 2. Name of Field or Pool (If applicable) Paddock
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

No

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Gre	eenhill PERATOR	Petro	1eum	Corpo	ration		Loving	iton S ASE	an And	dres U	nit_		<del>-</del>	
	#10 VELL NO.				O' FEL		3 SE	36 C.	16S TOWNS	HIP	36 RANG		<del></del>	•
Complet 4-4-3					2851 13"	Size: TOC: Hole Inter Size: TOC: Hole	size:  2246 Size: String	ng ace 17- Casi	fe-1/4"  ng  Cemen	nted w	termin	ned by 250	Circulat	<u>i o</u> r
			,		3065' 95/9"  600' 7" 5110'	TOC: Hole Total Injec	7 3189 Size: Depth: tion Ir 600 orated	8-3 511	f()/4"	eet de	termi	ned by	Calc	· -
 (br	g size _ nterfloor rand & m scribe s	d·tens	ion 1	packer	with _	acker	IPC (	mater	ial)	·	· · · · · · · · · · · · · · · · · · ·	·	set in a	
Other I		,				•								
	me of th	e int	ecti	on for	mation	S	an Andr	es:						
	me of Fi								San A	Andres				
3. Is	this a	new w	ell	drille	d for i	njecti	on?	No	· · · · · · · · · · · · · · · · · · ·			ion		
int	s the we tervals ed.												forated	
	ve the do				ne of an	y over	lying a	and/or	c unde	rlying	oil	or gas	zones	
\P\	-			raybur	g								•	

Greenhill Petr OPERATOR	roleum Corporatio	on .	Loving LEASE	ton San Andr	<u>res Unit</u>	
#5 WELL NO.	660 FNL & 600 FOOTAGE LOCA		36 SEC.	T16S TOWNSHIP	R36E RANGE	
	•		Tul	bular Data		
	<b>2</b> %6	Surfac	ce Casing			
	11	Size:	8 <sup>5</sup> /8 <b>~</b> .	Cemented v	with	
		TOC:	Surface	feet de	stermined b	y <u>cale</u>
				11"	•	
		Inter	mediate Cas	ing		
Completed	85/8"	Size:		Cemented	with	sx
1/30/40	2160'	TOC:		feet d	etermined b	у
	·	Hole	Size:		·····	
		Long	String		24	-,
	51/2"	Size:	5 1/2 "	Cemented		50 50 sx
	4625	TOC:	3535'	feet d	etermined b	y 80% calc
•	TO 5130'	Hole	Size:	7 7/8"		•
•				5130		
	•		tion Intery		•	
			4625	• '	5/30 ndicate whi	
Tubing size 23/8	lined with		IPC	· · · · · · · · · · · · · · · · · · ·	·	set in a
waterflood tension	packer	packer	at 40	rial) 605	feet.	<i>.</i>
(brand & model) (or describe any ot					·····	
Other Data	· · ·			·	•	
1. Name of the inj	ection formation		Sá	an Andres	,	
2. Name of Field o	r Pool (If appli	cable)		ovington Sar	n Andres	
	ell drilled for purpose was the				Produ	ction
	er be perforated ive plugging det					erforated
	to and name of a	my over	lying and/o	or underlyin	ng oil or g	as zones
Ur	nderlying - Gravb	oura				

Greenhill Petrol OPERATOR	leum Corporatio	on	Loving LEASE	ton San Andı	res Unit		<del>,</del>
	1980 FNL & 198		31 SEC.	T16S TOWNSHIP	R37E RANGE		
			Tul	bular Data		Annex 27-12-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	
•	11	Surface	Casing				
		Size;_	8 5/8 "	Cemented	vith	485	sx
		TOC:	Surface	feet de	etermined	ے by <u>-د</u>	ale.
		Hole s	lze:	10 1/4	·		
	2043'	Interm	ediate Cas	ing			
Completed 1/5/49		Size:_		Cemented	with	·	sx
		TOC: _		feet d	etermined	by	
deepen to yours		Hole S	ize:		~~~~~~		•
	5½	Long S	tring				
	4620'	Size:_	5 1/2 "	Cemented	with	375	sx
	TO 4955'	TOC: _	1711	feet d	etermined	l by <u>80</u>	% calc
	•	Hole S	ize:	711/4		•	
•		Total	Depth:	4955			
· ·	•		ion Interv		•		
	e.	(perfo	rated or o	feet to			feet
Tubing size 2%	lined with	<del></del>	IPC (mate	rial)		set	in a
(brand & model) (or describe any othe		-	t <u>453</u> 0		fee	st.	
Other Data							
1. Name of the injec	tion formation	·	San And	res	·	<del></del>	<del></del>
2. Name of Field or	Pool (If appli	cable)	Lovingt	on San Andre	28	· · · · · · · · · · · · · · · · · · ·	
3. Is this a new well If no, for what p				irilled?	Productio	<u>n .</u>	
4. Has the well ever intervals and givused.							ated
5. Give the depth to (pools) in this a		ny overl	.ying and/o	or underlyin	g oil or	gas zo	nes
Underlying	q - Grayburg		······································	,			· · · · · · · · · · · · · · · · · · ·

Greenhill Pet	roleum Corporation	Lovington	Paddock	
OPERATOR		LEASE		
# 5	660' FSL & 1980' FWL	25	168	36E
 WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

## Tubular Data

Spud Date 9-24-54

## Surface Casing

Size: 8-5/8 " Cemented with 1550 SX

TOC: Surface feet determined by calc

Hole size: 11"

### Intermediate Casing

Size:

Cemented with

SX

TOC:

feet determined by calc

\_85/8" 3191'

Hole size:

## Long String

Size: 5-1/2" Cemented with 450 SX

TOC: 2876

feet determined by temp

survey

Hole size: 7-7/8"

\_51/2" 6100'

Total Depth: 6281'

#### Injection Interval

TO 6281'

Injection interval

- feet to - feet
(perforated or open-hole, indicate which)

Tubing size

lined with - set in a

packer

at - feet. (Or describe any other casing-tubing seal).

## Other Data

- 1. Name of the injection formation:
- 2. Name of Field or Pool (If applicable) Paddock
- 3. Is this a new well drilled for Injection? No
  If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

No

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Greenhill Pet	roleum Corporation	Lovington	Paddock	
OPERATOR		LEASE		
# 6	480' FSL & 2280' FEL	25	168	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

### Tubular Data

Spud Date 3-11-54

### Surface Casing

Size: 9-5/8 " Cemented with 1800 SX

TOC: Surface feet determined by calc

12-3/4" Hole size:

#### Intermediate Casing

Size:

Cemented with

SX

95/8"

TOC:

feet determined by calc

3145'

Hole size:

## Long String

Size: 5-1/2" Cemented with 475 SX

feet determined by temp 3974

survey

Hole size: 7-7/8"

Total Depth: 6285'

Injection Interval

feet to 6285 (perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with IPC set in a Guiberson

packer

at 5909 feet. (Or describe any other casing-tubing seal).

## Other Data

- Name of the injection formation: <u>Paddock</u>
- 2. Name of Field or Pool (If applicable) <u>Paddock</u>
- Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Above Glorieta

No

OPERATOR	roleum Corporati		LEASE		es Unit		
<b>4</b> 0	2130 FEL & 48	מת בכו	25	T16S	R36E		
#2 WELL NO.	FOOTAGE LOCA		SEC.	TOWNSHIP	RANGE		P
			Tul	oular Data			
		Surface	Casing				
	2104 4620	Size:_	<u>8 5/8 </u> ~.	Cemented	vith5	500	sx
		TOC; _	Surface	feet de	etermined	by cal	c. '
		llole s	ize:	11	<del></del>		
,		Interme	ediate Cas	ing			
		Size:_		Cemented	with		sx
te Completed 11/7/44	85%	TOC: _		feet d	etermined	by	
	2104	Hole S	ize:				
•		Long S	tring				
,		Size:_	5 1/2 "	Cemented	with	450 ·	s
•		TOC: _	2168	feet d	etermined	by <u>80%</u>	ca1
	-5½ 4620	Hole S	ize:	7 7/8	···	•	
	- TD 4996	Total	Depth:	4996			
	10 1170	Inject	ion Interv	al_			•
				feet to			eet .
		••	rated or C	pen-hole i	noicate w		_
Tubing size	lined with	,	(mate	rial)		set	in a
(brand & model)		packer a	t	•	fee	t.	
(or describe any oth	ner casing-tubir	ng seal).					
Other Data	. • •				•		
1. Name of the inje	ection formation	1	San	Andres			
2. Name of Field or	r Pool (If appli	(cable)	Lov	ington San /	Andres		
3. Is this a new we If no, for what					Produc	tion	
4. Has the well even intervals and good used.							ted

		LEASE
#1	300 FSL & 99	90 FEL 25 T16S <b>R36E</b>
WELL NO.	FOOTAGE LOCA	
<u>,                                     </u>		Tubular Data
		Surface Casing
	2096' 4629	Size: 8 5/8 " Cemented with 425 s.
		TOC: Surface feet determined by calc
		Hole size: 11
		Intermediate Casing
mpleted 0/4/45		Size: Cemented with S
nverted to	9.5/	TOC: feet determined by
njection 5/29/65	2096	Hole Size:
		Long String
	ļ.	Size: 5 1/2 " Cemented with 425 S
•		TOC: 2313 feet determined by 80% ca
	•	Hole Size: 7 7/8
	-51/2 41/29	Total Depth: 5060'
	TO soco	Injection Interval
		4600' feet to 5060' feet
•		(perforated or open-hole, indicate which)
Tubing size 2'	lined with	IPC set in a  (material) packer at 4575' feet.
(brand & model)	1	
(or describe any ot	mer casing-cubin	g sear).
Other Data		
1. Name of the inj	ection formation	San Andres
2. Name of Field of	or Pool (If appli	cable) Lovington San Andres
		injection? No Production
4. Has the well evintervals and g	ver be perforated give plugging det	in any other zone(s)? List all such perforated ail (sacks of cement or bridge plug(s)

Underlying - Grayburg

	GREENHILL	PETROLEUM C	ORPORATION	Ţ	LOVING	TON PADDOCK	
•	OPERATOR # 7	330 ° F	EL & 330'	FSL .	LEASE 25	168	36E
<u> </u>	WELL NO.	FOOTA	GE LOCATIO	М	SEC.	TOWNSHIP	RANGE
 Sr	oud Date				Tul	oular Data	
_	3-1-53		<u>St</u>	urface	Casing	<b>.</b>	
			S:	ize: <u>8-</u>	5/8 ".	Cemented w	ith 800 sx
			T	oc: <u>s</u> 1	ırface	feet de	termined by <u>calc</u>
			н	ole siz	e: <u>11'</u>	I	•
			I	ntermed	late Cas	ing	
			¥*/8	ize:		Cemented w	ithsx
			T , 401¢	oc:		feet de	termined by <u>calc</u>
٠			11	lole Siz	e:		<del></del>
			Ţ	ong Str	ing	•	
			S	ize:	5-1/2" "	Cemented v	1th <u>225</u> SX
	•		1	OC: _4	859	feet de	stermined by 80%
		+	5%" P	lole Siz	:e: <u>7</u> -	-7/8"	• .
				Total De	opth: 6	260'	·
	• •	7	rD <b>626</b> 0′ ]	(njectio	n Interv	ral	
				_	·	feet to	feet
	•			(perfora	ated or o	pen-hole, i	ndicate which)
Tub	ing size	line	d with		(mate	rial)	set in a
	(brand & mod	n1)	pac	cker at			feet.
(or	describe any		ng-tubing a	seal).	,		
Othe	er Data	, '	•		•		
1.	Name of the	injection fo	ormation _				
2.	Name of Fiel	d or Pool (	If applical	ble) _	Paddoc	k	
3.	Is this a ne If no, for w						Production
4.	intervals an used.						all such perforated e plug(s)
5.	Give the dep		ame of any	overly	ing and/	or underlyin	g oil or gas zones
	Above G	lorieta		· •			

Greenhill Pet	roleum Corporation	Lovington	Paddock	
 OPERATOR		LEASE		
# 8	660' FSL & 660' FWL	30	168	37E
 WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

## Tubular Data

Completed 6-20-53

## <u>Surface Casing</u>

Size: 13-3/8 " Cemented with 350 SX

TOC: Surface feet determined by calc

Hole size: 17-1/4"

\_133/8" \_323'

## Intermediate Casing

Size: 9-5/8" Cemented with 2700 SX

TOC: Surface feet determined by calc

Hole size: 12-1/4"

95/8" 4705'

2"

TO 6270'

6258'

## Long String

Size: 7" Cemented with 450 SX

TOC: 4113 feet determined by 70% calc

Hole size: 8-3/4"

Total Depth: 6270'

## Injection Interval

6109 feet to 6188 feet (perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with IPC set in a

Howco

packer

at 6076 feet. (Or describe any other casing-tubing seal).

### Other Data

1. Name of the injection formation:

<u>Paddock</u>

2. Name of Field or Pool (If applicable) Paddock

3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

No

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

OPERATOR	leum Corporation	n Lovington San Andres Unit LEASE
	80' FSL & 1980'	
WELL NO.	FOOTAGE LOCAT	
		Tubular Data
pleted	1 1	Surface Casing
-5-45		Size: Cemented withSX
pened	•	TOC: feet determined by
87		Hole size:
		Intermediate Casing
		Size: 8-5/8 " Cemented with 500 S
	1 2080	, TOC: Surface feet determined by cale
	85/8"	Hole Size: 11"
		Long String
		Size: 5-1/2 " Cemented with 450 S
	_4580'	TOC: 2435 feet determined by calc &
	{ 51/2"	Hole Size: 7-7/8"
	1490'	Total Depth: 5055'
	TD	Injection Interval
	上5055' TD	4580 feet to 5055 feet
7.		(perforated or open-hole, indicate which)
Tubing size 2 1/8	lined with _	set in a (material)
(brand & model)	on packer P	packer at 4560 feet.
or describe any other	er casing-tubing	g seal).
ther Data		
. Name of the injec	tion formation	San Andres
. Name of Field or	Pool (If applic	cable) Lovington San Andres
. Is this a new well		injection? No well originally drilled? Production
		in any other zone(s)? List all such perforated ail (sacks of cement or bridge plug(s)

Underlying-Grayburg

Greenhill Pe	etroleum Corporation	n Lovington San Andres
OPERATOR		LEASE
#13	1760' FSL & 440'	FEL 36 16S 36E
WELL NO.	FOOTAGE LOCA	ATION SEC. TOWNSHIP RANGE
		Tubular Data
mplated		Surface Casing
mpleted 2-16-39		Size: 13 " Cemented with 225 SX
		TOC: Surface feet determined by calc
		Hole size: ?
	13"	Intermediate Casing
		Size: 8-5/8 " Cemented with 250 SX
		TOC: 2235 feet determined by calc
		Hole Size: 11"
	23003' 85/;"	Long String
		Size: 5-1/2 " Cemented with 150 S
		TOC: 2818 feet determined by calc
	L4518' { 51/2"	Hole Size: 6-3/4"
	5068	Total Depth: 5068
	1 5060 TO	Injection Interval
	•	4518 feet to 5068 feet (perforated or open-hole, indicate which)
Tubing size 2-	·3/8" lined with	IPC set in a (material)
	waterflood tension	(material) packer atfeet.
(brand & mod (or describe any	el) other casing-tubing	
Other Data		
1. Name of the	injection formation	San Andres
2. Name of Fiel	d or Pool (If applie	Lcable) Lovington San Andres
	w well drilled for a	injection? No Production well originally drilled?
		d in any other zone(s)? List all such perforated tail (sacks of cement or bridge plug(s)
(pools) in t		any overlying and/or underlying oil or gas zones

····		Petroleum Corp	oration		ovington Pac	ldock	•
•	OPERATOR # 10	660' FNL & 24	M. Per	LEASE	1.60	075	
	# 10	000 FNL & 24	to reli ,	. 31	16S	. 37Е	
	WELL NO.	FOOTAGE LO	CATION	SEC.	TOWNSHIP	RANGE	
		· · · · · · · · · · · · · · · · · · ·					
	•	. •		Tul	bular Data	·	
			5 5		· .	•	,
Ç	Spud Date	1 1	Surtace	e Casing			,
•	8-11-54		Size:_	8-5/8 "	Comented w	ith1500	sx
			TOC: _	Surface	feet de	stermined by	_calc
		·	Hole s	ize: 11"	•	•	
						•	
			Interm	ediate Cas	ing		,
			Size:_		Cemented	with	sx
		85/3	TOC:		feet d	etermined by	
		3912	Hole S			-	
•			i				
			Long S	tring			
			Size:_	5-1/2" "	Cemented	with300_	sx
	•		TOC: _	4470	feet d	etermined by	80% calc
		53"	uolo 9	ize: 7-7/	/8 <sup>11</sup>		•
		} 6,05			•		:
			Total	Depth:	6260 <b>'</b>	<del></del>	
		. TD	Inject	ion Inter	val		
			•	_	feet to	· · -	feet
	•		(perfo	rated or		ndicate whic	
Tub	ing size	lined with	ı.	-	<del>-</del>		set in a
	. –				erial)		
	(brand & model)		_ packer	at		feet.	
(or	describe any ot	her casing-tub	(Lng seal)			r	
Othe	er Data	•					
1.	Name of the inj	action formati	on				
				Paddock		·	**************************************
2.	Name of Field o	or Pool (If app	licable)	raddock		·	
3.	Is this a new w If no, for what	vell drilled fo purpose was t	r injecti he well o	on? No	drilled? P	roduction	
4.	lias the well ev	ver be perforat	ed in any	other zon	e(s)? List	all such per	forated
	intervals and gused. No	give plugging d	etall (sa	cks of cem	ent or brid	ge plug(s)	
	AU				· · · · · · · · · · · · · · · · · · ·		
5.	Give the depth		any over	lying and/	or underlyi	ng oil or gas	zones
	(pools) in this	*					
	Above G	rolieca	· · · · · · · · · · · · · · · · · · ·				

Greenhill Pet	roleum Corporation	Lovington	Paddock	
 OPERATOR		LEASE		
#11	940' FNL & 1980' FWL	31	168	37E
 WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

#### Tubular Data

Spud Date Surface Casing 9-01-53 Size: 13-3/8 " Cemented with 330 SX Converted to Injection TOC: Surface feet determined by calc 12/66 133/8' Hole size: 17-1/4" 347 Intermediate Casing Size: 7-5/8" Cemented with 2230 SX TOC: Surface feet determined by calc Hole size: 11" 3295' Long String Size: 5-1/2" Cemented with 350 SX TOC: 4208 feet determined by 70% calc Hole size: 7-7/8" Total Depth: 6270' Injection Interval TO 6270'

6115 feet to 6270 feet (perforated or open-hole, indicate which)

Paddock

Tubing size 2" lined with IPC set in a

packer

at 6034 feet. (Or describe any other casing-tubing seal).

#### Other Data

- 1. Name of the injection formation:
- Name of Field or Pool (If applicable) <u>Paddock</u>
- 3. Is this a new well drilled for Injection? No
  If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

5. Give the depth to and name of any overlying and/or underlying oil or gas

Above Glorieta

No

zones (pools) in this area.

#6	660 FNL & 660		31	T16S	R37E		
WELL NO.	FOOTAGE LOCA	TION	SEC.	TOWNSHIP	Range		
			Tub	ular Data			,
		Surface	Casing				
•	111	Size:	16	Cemented	with	100	sx
		TOC:	Surface	feet	determined	by cal	c.
	257'	Nole siz	е:	18	·		
	16"	Intermed	iate Casi	ing			
omplëted 6/15/45		Size:	8 <sup>5</sup> /8 ″	Cemented	with	150	sx
onverted to	8 5/8"	TOC:	1271	feet	determined	by calc	50
Injection 3/28/63	. 2226	Hole Siz	e: <u> </u>	11	•		
3, 20, 03		Long Str	ing				
	7"	Size:	7	Cemented	with	200	S)
	( 135)	TOC:	2229	feet	determined	l by <u>80%</u>	cal
•	5000'	Hole Siz	.e:	8		•	
	•	Total De	opth:	500 <b>0 '</b>			
		Injection	n Interv	al	• .		
	·	453	38	feet to	5000	fe	et
		(perfora	ated or o	pen-hole,	indicate v	which)	•
ubing size 2 3/8	lined with		IPC (mate	rial)		set i	ln a
(brand & model)	I	packer at			fe	et.	
r describe any other	er casing-tubing	g seal).					
her Data	•						
Name of the injec	tion formation		San And	ires			
Name of Field or	Pool (If applie	cable)	Lovingt	ton San An	dres		
Is this a new well If no, for what p	ll drilled for :	injection	? <u>No</u>		•	on ·	
Has the well ever	,	in any o	ther zone	(s)? List	all such	perforat	ted
intervals and give used.	•						

<u> Underlying - Grayburg</u>

Greenhill Pet	roleum Corporation	Lovington	Paddock	
OPERATOR		LEASE		
#13	880' FNL & 331' FWL	36	168	36E
 WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

### Tubular Data

Spud Date Surface Casing 2-13-53 Size: 8-5/8 " Cemented with 650 SX TOC: Surface feet determined by calc 12/2 Hole size: 4/86 Intermediate Casing 85/8" 21151 Squeeze casing leak Size: Cemented with SX 2078-2142 W/2005 TOC: feet determined by 9/81 Shot 3 holes atolly cmt Hole size: W/2755x <u>Long String</u> 5/2" 6258' Size: 5-1/2" Cemented with 225 SX TO6279' TOC: 5185 feet determined by 70% calc Hole size: cst7/g Total Depth: 6279' Injection Interval feet to 6279 (perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with IPC set in a

packer

at 6087 feet. (Or describe any other casing-tubing seal).

#### Other Data

1. Name of the injection formation:

Paddock

- 2. Name of Field or Pool (If applicable) Paddock
- 3. Is this a new well drilled for Injection? No
  If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Greenhill Pet OPERATOR	roleum Corporation		Lovington LEASE	San Andr	es Unit		
#4	660 FNL & 1980			Г16S	R36E		
WELL NO.	FOOTAGE LOCAT			OWNSHIP	RANGE		
an ang ang ang ang ang ang ang ang ang a			Tubul	ar Data	<u></u>		
		Surface Ca	sing	•			
		Size: 1	<u>3                                    </u>	Gemented w	ith	200	_sx
		TOC: Su	rface	feet de	termined	by calc	•
		Hole size:				<del> </del>	
	11	Intermedia	te Casing	5			•
Completed		Size: 9	<sup>5</sup> /8 ~ (	Cemented v	vith	_500	_52
1/3/39	95/81	TOC: Su	rface	feet de	termined	by calc	
Converted to Injection	3071'	Hole Size:				•	
3/28/63		Long Strir	ig		<del></del>		
		Size: 7		Cemented v	vith	300	S
		TOC: 19		feet de			al
	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	Hole Size:		<del></del> 3 1/4		,	
	₹	Total Dept		5012'	<del></del>		
		Injection			<del></del>		
		463	4	feet to	5012	fee.	t
		(perforate	-	n-hole, ii	•	·	•
Tubing size 23	/8 lined with _	· · · · · · · · · · · · · · · · · · ·	IPC (materi	al) .	——————————————————————————————————————	set in	. <b>a</b>
(brand & model)		acker at _	45	586	fee	it.	
or describe any of	ther casing-tubing	seal).					
ther Data	·						
Name of the inj	jection formation		San Andr	res ·	· · · · · · · · · · · · · · · · · · ·	•	
. Name of Field	or Pool (If applica	able)	Lovingto	on San And	ires		
	well drilled for in t purpose was the v			11ed?	Product	ion	
	ver be perforated i		of cement	or bridge			d
. Give the depth (pools) in this	to and name of any	y overlyin	g and/or	underlyin	g oil or	gas zones	;
Under	<u> lying - Gray</u> burg			•	, ,		

Greenhill Pet	roleum Corporation	Lovington	Paddock	
 OPERATOR		LEASE		
#15	810' FNL & 2130' FWL	36	168	36E
 WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

## Tubular Data

Spud Date 4-13-54

## Surface Casing

Size: 8-5/8" Cemented with 1800 SX

TOC: Surface feet determined by calc

Hole size: //

85/8" 3190'

5/2"

6080

TO 6280'

## Intermediate Casing

Size: Cemented with

SX

TOC:

feet determined by

Hole size:

## Long String

Long String

Size: 5-1/2" Cemented with 585 SX

TOC: 3765 feet determined by temp

survey

Hole size: 77/8

Total Depth: 6280'

## Injection Interval

6080 feet to 6280 feet (perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with IPC set in a

packer

at 6018 feet. (Or describe any other casing-tubing seal).

#### Other Data

1. Name of the injection formation:

**Paddock** 

2. Name of Field or Pool (If applicable) Paddock

3. Is this a new well drilled for Injection? No
If no, for what purpose was the well originally drilled? Production

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

No

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

	Greenhill Pet	roleum Corporation	Lovington	Paddock	
	OPERATOR		LEASE		
	#16	660' FNL & 660' FWL	36	168	36E
_	WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

#### Tubular Data

Spud Date 8-08-54

## Surface Casing

Size: 8-5/8" Cemented with 1500 SX

TOC: Surface feet determined by calc

Hole size: //

## Intermediate Casing

Size:

3/10'

Cemented with

SX

TOC:

feet determined by

Hole size:

## Long String

Size: 5-1/2" Cemented with 450 SX

TOC: 3930 feet determined by 70% calc

 $\frac{5}{60}$ % Hole size:  $7\frac{7}{8}$ 

Total Depth: 6280'

## Injection Interval

- feet to - feet (perforated or open-hole, indicate which)

Tubing size - lined with - set in a

packer

at - feet. (Or describe any other casing-tubing seal).

TO 6280'

## Other Data

- 1. Name of the injection formation:
- 2. Name of Field or Pool (If applicable) Paddock
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? <u>Production</u>
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

No

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Greenhill	Petroleum Corporation	Lovington	Paddock	
OPERATOR		LEASE		
#17	660' FNL & 330' FEL	35	168	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

#### Tubular Data

Spud Date Surface Casing 5-15-55 Size: 8-5/8" Cemented with 975 SX Converted to Injection TOC: Surface feet determined by calc 12/66 Hole size: Intermediate Casing Cemented with SX Size: 85/8 2105' TOC: feet determined by Hole size: Long String Size: 5-1/2" Cemented with 465 TOC: 3805 feet determined by temp Hole size: Total Depth: 6280' TO 6280' Injection Interval

6129 feet to 6280 feet (perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with IPC set in a

packer

at 6056 feet. (Or describe any other casing-tubing seal).

### Other Data

1. Name of the injection formation:

No

Paddock

- 2. Name of Field or Pool (If applicable) Paddock
- 3. Is this a new well drilled for Injection? No
  If no, for what purpose was the well originally drilled? <u>Production</u>
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Greenhill Pe	Lovington Paddock			
OPERATOR		LEASE		
#18	2310' FNL & 330' FEL	35	16S ,	36E
 WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

#### Tubular Data

Spud Date Surface Casing 3-17-56 Size: 13-3/8" Cemented with 300 SX TOC: Surface feet determined by calc Hole size: 133/8 Intermediate Casing 33% Size: 8-5/8" Cemented with 2150 SX TOC: Surface feet determined by calc Hole size: Long String 85/8" 3289' Size: 5-1/2" Cemented with 400 SX TOC: 4430 feet determined by temp survey Hole size: Total Depth: 6275' 6082' Injection Interval TD 6275" feet to

(perforated or open-hole, indicate which)

Tubing size - lined with - set in a - packer

at - feet. (Or describe any other casing-tubing seal).

### Other Data

1. Name of the injection formation:

No

- 2. Name of Field or Pool (If applicable) Paddock
- 3. Is this a new well drilled for Injection? No
  If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Greenhill Pet	troleum Corporation	Lovington Paddock	
OPERATOR	,	LEASE	•
#19	1980' FNL & 990' FWL	36 16S	36E
WELL NO.	FOOTAGE LOCATION	SEC. TOWNSHIP	RANGE

#### Tubular Data

Spud Date Surface Casing 4-27-54 8-5/8" Cemented with 1800 SX Size: Converted TOC: Surface feet determined by calc circ. to Injection 3/74 Hole size: // Intermediate Casing Cemented with SX Size: 85/3" TOC: feet determined by 32471 Hole size: Long String Size: 5-1/2" Cemented with TOC: 3964 feet determined by temp survey Hole size: 7 1/4 Total Depth: 6275' Injection Interval TO 6275' feet 6065 feet to 6275 (perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with IPC set in a

packer

at 6076 feet. (Or describe any other casing-tubing seal).

#### Other Data

1. Name of the injection formation:

Paddock

- 2. Name of Field or Pool (If applicable) Paddock
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

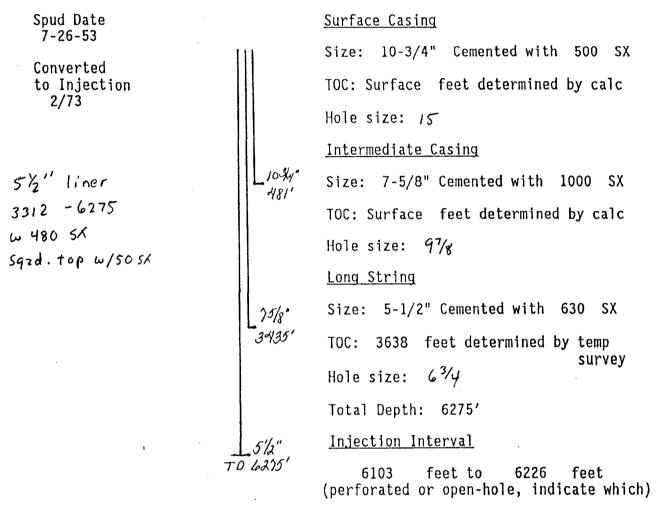
No

<sup>5.</sup> Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

	roleum Corporatio	n		ton San Andr	es Unit	
OPERATOR		•	LEASE	•		
#11 WELL NO.	1980 FNL & 19 FOOTAGE LOCA		SEC.	T16S TOWNSHIP	R36E RANGE	
,			Tu	bular Data		
		Surface	Casing			
		Size:	13 "	Cemented	with	25 sx
	25"	TOC:	Surface	feet d	etermined	by calc
		Hole si	ze:	15		
		Interme	ediate Cas	ing		
Completed	95/3"	Size:_	<u>8<sup>5</sup>/8</u>	Cemented '	with	500 sx
1/40	2087	TOC: _	555	feet d	etermined	by 50% calc
		Hole Si	lze:	10 1/4 ·		
	5/2" { 4575'	Long St	tring			
	{ 4996 TD	Size:	5 1/2 ′	" Cemented	with	<u>200</u> sx
•	1146 12	TOC: _	649	feat d	etermined	by <u>80% calc</u>
•	•	Hole S	ize:	6 1/4"		•
•		Total I	Depth:	4996'		
		Inject	ion Inter	val	•	•
				feet to open-hole, i		feet
Tubing size	lined with					set in a
		packer a	(mat t	erial)	fee	t.
(brand & model (or describe any o		ng seal).				
Other Data	. **			•	•	
1. Name of the in	njection formation	7	San	Andres		
	or Pool (If appli	•			Indres	,
3. Is this a new	well drilled for it purpose was the	injectio	n? <u>/ N</u>	0	Produc	tion
	ever be perforated give plugging det	cail (sac	ks of cem		ge plug(s)	
5. Give the depth (pools) in thi	n to and name of a		•			gas zones
Und	lerlying - Graybur	`g		•		

	Greenhill Pet	croleum Corporation	Lovington	Paddock	
_	OPERATOR		LEASE		
	#21	2190' FNL & 1980' FEL	36	168	36E
_	WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

#### Tubular Data



Tubing size 2-3/8" lined with IPC set in a

packer

at 6043 feet. (Or describe any other casing-tubing seal).

#### Other Data

- 1. Name of the injection formation:
- 2. Name of Field or Pool (If applicable) Paddock
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? <u>Production</u>

Paddock

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Above Glorieta

No

Greenhill Petr OPERATOR	roleum Corporati	on	Loving LEASE	ton San Andı	res Unit	·	
#9 WELL NO.	1980 FNL & 6		36 SEC.	T16S TOWNSHIP	R36E RANGE	<del></del>	
		<del></del>	Tu	bular Data		·	<del></del>
	111	Surface	Casing				
		Size:	13	Cemented i	vith	250	sx
	330	TOC:	Surface	feet d	etermined	by ca	lc .
	13"	llole si	.ze;	17 1/4	•		
		Interme	diate Cas	ing			
Completed	3080'	Size:	8 5/8	Cemented '	with	250	sx
9/23/39	95%	TOC: _	1924	feet d	etermined	by 50%	calc
		Hole Si	ze:	12 ·			
	4645	Long St	ring				
	} 74	Size:	7	Cemented	with	200 <del>250</del>	sx
•	5100 5094	TOC: _	2944 <del>-3074</del>	feet d	etermined	by <u>80%</u>	calc
		Hole Si	lze:	8 3/4		•	
				- <del>5100</del> '50	94		
				val			
				feet to			eet .
Tubing size	lined with				•	set	in a
		packer a	(mate	erial)	fee	ıt,	•
(brand & model) (or describe any oth					-		•
Other Data				·	•		•
1. Name of the inj	ection formatio	n	\$	an Andres			
2. Name of Field of					n Andres		
3. Is this a new wo	ell drilled for	injection	n?	No	Pro		
4. Has the well ever intervals and grows used.	ive plugging de		ks of cem				ted
5. Give the depth (pools) in this	to and name of			or underlyir	ng oil or	gas zon	es
	derlying - Gray	bura					

	Greenhill Petroleum Corporation		Lovington		
_	OPERATOR	2321,9	LEASE		
	#23	2392' FNL & 750' FWL	31	168	37E
-	WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

#### Tubular Data

Spud Date Surface Casing 3-29-52 Size: 13-3/8" Cemented with 350 Converted to Injection TOC: Surface feet determined by calc 2/73 Hole size: CIBP 6310' 133/8" Intermediate Casing 3521 Cmt. to 6300' Size: 9-5/8" Cemented with 2250 7" liner TOC: Surface feet determined by calc 4171 - 8250 Hole size: Long String 7" Size: Cemented with 500 SX 4460' TOC: 2250 feet determined by temp survey Hole size: Total Depth: 8450' 8250 Injection Interval 6120 feet to 6170 feet TO 8450' (perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with IPC set in a

packer

at 6089 feet. (Or describe any other casing-tubing seal).

## Other Data

1. Name of the injection formation:

<u>Paddock</u>

- 2. Name of Field or Pool (If applicable) Paddock
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? <u>Production</u>
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Greenhill Po	Greenhill Petroleum Corporation			Lovington San Andres		
OPERATOR		LEASE				
8 ·	2150' FNL & 366' FEL	31	168	37E		
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE		

## Tubular Data

Completed 7-24-44

## Surface Casing

Size: 8-5/8" Cemented with 500 SX

TOC: Surface feet determined by calc

2048'

Hole size:

## Intermediate Casing

Size:

Cemented with

SX

TOC:

feet determined by

Hole size:

Long String

-31/2 -46/0 -TD

4918'

\_\_\_\_

Size: 5-1/2" Cemented with 500 SX

TOC: 1886 feet determined by 80% calc

Hole size: 7-7/8"

Total Depth: 4978'

#### Injection Interval

- feet to - feet
(perforated or open-hole, indicate which)

Tubing size

lined with - set in a

packer

at - feet. (Or describe any other casing-tubing seal).

# Other Data

- 1. Name of the injection formation:
- 2. Name of Field or Pool (If applicable) <u>Lovington San Andres</u>
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? <u>Production</u>
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.
- 5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

(Above) Grayburg

packer

Rice Engineering		Abo SWD (State "O")		
OPERATOR		LEASE		
13	2310' FNL & 2626' FWL	31	168	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

## Tubular Data

Surface Casing Completed 1-18-53 Size: 13-3/8" Cemented with Converted to TOC: Surface feet determined by cal SWD (Inject 133/8 thru 9730-10260) 246 Hole size: 18" Intermediate Casing 1200 Size: 9-5/8" Cemented with 1400 SX TOC: 352 feet determined by 50% calc Hole size: 12-1/4" 95/8" 3270' Long String 682 at shoe 1300 thru outool 5-1/2" Cemented with 1982 Size: SX at 8988 cmt bond log top good cont 3765 TOC: feet determined by 80% calc Sq2d several intervals 7-7/8" Hole size: above and below this point. Total Depth: 12,251 Injection Interval

 $\int_{12,251'}^{11,044} - \text{feet to} - \text{feet}$ (perforated or open-hole, indicate which)

set in a

at - feet. (Or describe any other casing-tubing seal).

lined with -

### Other Data

Tubing size

- 1. Name of the injection formation:
- 2. Name of Field or Pool (If applicable) East Lovington (Penn)
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.
- 5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Abo (Above)

 Greenhill Pe	troleum Corporation	Lovington	Paddock	
 OPERATOR		LEASE		
#25	2130' FNL & 1980' FWL	31	168	37E
 WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

#### Tubular Data

Spud Date Surface Casing 11-16-54 Size: 8-5/8" Cemented with 1550 SX Converted to Inj. TOC: Surface feet determined by cale 12/54 11 Hole size: Intermediate Casing 3215 SX Size: Cemented with TOC: feet determined by Hole size: Long String Size: 5-1/2" Cemented with 450 SX 5%" TOC: 4160 feet determined by temp 6106 survey 7 1/8 Hole size: TD 6270' Total Depth: 6270' Injection Interval

6107 feet to 6270 feet (perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with IPC set in a

packer

at 6043 feet. (Or describe any other casing-tubing seal).

## Other Data

Name of the injection formation: <u>Paddock</u>

- Name of Field or Pool (If applicable) <u>Paddock</u>
- Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Greenhill Pet OPERATOR	roleum Corporation		<u>vington San Andı</u> ASE	res Unit	
#43	1980 FNL & 660	FWL 1	T17S	R36E	
WELL NO.	FOOTAGE LOCAT			RANGE	
			Tubular Data		
	<u>.</u>	Surface Casi	ng ·		
		Size: 13	Cemented	vith 200	_sx
		TOC: Surf	ace feet d	stermined by circul	at-
		llole size;	17 1/2		
	13"	Intermediate	Casing		
Completed		Size: 8 5	0/8 " Cemented	with600	_sx
6/19/41		TOC: 199	feet d	etermined by 50% c	:a]
Depento 5030'	2034	Hole Size:	11"		
•	1 5 48 n	Long String		·	
	W.	Size: 5 1	1/2 " Cemented	w1th350	_sx
,		TOC: 267	79 <b>feet d</b>	etermined by 80% o	ca 1
	1 51/2"	Hole Size:	7 7/8"	•	
		•	4990'		
	<b>\</b>				
			feet to	5030fee	t
			or open-hole, i	ndicate which)	•
Tubing size	1278 lined with		TPC (material)	set in	ı a
(brand & model)	pa	icker at	453.6	feet.	
(or describe any ot		seal).			
ther Data					
. Name of the inj	ection formation _				
. Name of Field o	r Pool (If applica	ible)	Lovington San	Andres	
. Is this a new w	rell drilled for in purpose was the w	jection?	No	Production	
. Has the well ev	er be perforated i	in any other	zone(s)? List	all such perforate	od.
5. Give the depth (pools) in this	to and name of any area.	overlying	and/or underlyin	ng oil or gas zones	;
	ing - Grayburg				

Texaco Tidewater O	<del>l-Compan</del> y	State "P"		
OPERATOR	, V	LEASE		
11	1980' FNL & 660' FWL	32	16S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANG

## Tubular Data

Completed 3-22-65

## Surface Casing

Size: 8-5/8" Cemented with 1450 SX

TOC: Surface feet determined by calc

Hole size: 12-1/4"

85/8"

# Intermediate Casing

2099'

Cemented with

SX

TOC:

Size:

feet determined by

Hole size:

Long String

Size: 5-1/2" Cemented with 1450 SX

TOC: Surface feet determined by 80% calc

15/2" TO 6400'

Hole size: 7-7/8"

Total Depth: 6400'

#### Injection Interval

- feet to - feet
(perforated or open-hole, indicate which)

Tubing size

lined with - set in a

packer

at - feet. (Or describe any other casing-tubing seal).

#### Other Data

- 1. Name of the injection formation:
- 2. Name of Field or Pool (If applicable) Lovington Paddock
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.
- 5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Greenhill Pet	troleum Corporation	Lovington San Andres
OPERATOR		LEASE
15	1650' FSL & 16	50' FWL 31 16S 37E
WELL NO.	FOOTAGE LOCA	
		Tubular Data
	.1.1.1	Surface Casing
ompleted		Size: 13 " Cemented with 200 SX
5-1-39		
eepened 7-23-86		TOC: Surface feet determined by calc
		Hole size: 17-1/4"
		Intermediate Casing
•		Size: 9-5/8 " Cemented with
	L2951	TOC: 1818 feet determined by Calc
		Hole Size: 12"
		Long String
		Size: 7
	2994	TOC: 3840 feet determined by calc
	95/8"	Hole Size: 8-3/4"
		Total Depth: 5110'
	_4531'	t the state of the
	· { 7"	Injection Interval
	} 4972'	4531 feet to 5110 feet (perforated or open-hole, indicate which)
Tubing size 2-3	/8"   S110' /8"   lined with	IPC set in a
		(material)
(brand & mode	1)	
(or describe any	other casing-tubin	g seal).
Other Data		
1. Name of the i	njection formation	San Andres
2. Name of Field	i or Pool (If appli	cable) Lovington San Andres
		N -
3. Is this a new If no, for wh	vell drilled for nat purpose was the	well originally drilled? Production
	<del>-</del>	in any other zone(s)? List all such perforated ail (sacks of cement or bridge plug(s)
	1 4- 1	
5. Give the dept (pools) in th		ny overlying and/or underlying oil or gas zones
Under	lying-Grayburg	,

Greenhill P OPERATOR	etroleum Corporation	Lovington San Andres Unit LEASE
	. 660 FNI & 330	FEL 31 T-16S R37E
WELL NO.	FOOTAGE LOCAT	
		Tubular Data
		Surface Casing
	11.	Size: 8 5/8 " Cemented with 450 SX
		TOC: Surface feet determined by calc
	85/8"	Hole size: 10 1/4
	2050	Intermediate Casing
Completed		Size: Cemented withSX
Completed 9/17/46		TOC: feet determined by
deepen to	·	Hole Size:
5090	·	Long String
		Size: 5 1/2 " Cemented with 400 SX
•	4623' 51/2"	TOC: 1832 feet determined by 80% calc
	5 5/2"	Hole Size: 7 1/4
• .	TO 4935	Total Depth: 4935'
·	•	Injection Interval
		feet to 5090 feet (perforated or open-hole, indicate which)
Tubing size2	11ned with	
unterflood ten	sion nacker p	(material) packer at <u>4603</u> feet.
(brand & mod	el) other casing-tubing	
Other Data		
1. Name of the	injection formation	San Andres
2. Name of Fiel	d or Pool (If applic	cable) Lovington San Andres
	w well drilled for i hat purpose was the	Injection? No well originally drilled? Production
		in any other zone(s)? List all such perforated ail (sacks of cement or bridge plug(s)
5. Give the dep (pools) in t		ny overlying and/or underlying oil or gas zones
(pools) in c	Underlying - Gravi	bura

Gı	reenhill Petrol	eum Corporation		Lovi	ngton San A	ndres	
<u>-</u>	OPERATOR			LEASE			
<del></del>	#25	1980' FEL & 660			165	36E	
	WELL NO.	FOOTAGE LOCA	MOIT	SEC.	TOWNSHIP	RANGE	
	· ·			Tul	bular Data	<del></del>	
			Surfac	ce Casing			
					Cemented v	with 200	SX
Complet 10-18-3			_			etermined by	
10-10-	J <del>J</del>			size:17		3 3 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	<u> </u>
						<del></del>	
		13"		nediate Cas		500	CV
			•			with <u>400</u>	sx
			•			etermined by	Calc
			Hole	Size: <u>11</u>	· · · · · · · · · · · · · · · · · · ·		
		2990'	-	String			
		85/8'	Size:	5-1/2 "	Cemented	with _200	SX
•			TOC:	3424	feet d	etermined by	calc ·
		1-15-1	Hole	Size: <u>7-</u>	7/8"	<del></del>	
		1 4515 51/2"	Total	Depth: 5	094'		
		` <b>{</b>	Injec	tion Interv	<u>ral</u>		
		15094'	4 (perf	515 orated or o	feet to pen-hole, i	5090 ndicate which	h)
Tubir	ng size <u>2-/8</u>	lined with		IPC			set in a
	waterflo	lined with	packer	(mate	rial) <i>4495</i>	feet.	
•	brand & model)	ner casing-tubin					
Other	•						
		ection formation		San An	dres		
2. Na	ame of Field or	r Pool (If appli	cable)	Loving	ton San And	res	,,
		ell drilled for purpose was the			drilled?	Production	
iı		er be perforated ive plugging det	-			-	forated
	ive the depth pools) in this	to and name of a	ny over	lying and/o	or underlyin	ng oil or gas	zones
	Underl	ying-Grayburg					

OPERATOR		oration		LEASE	iton San Andr	<u>res</u>	
#31	660' FNL	& 1980'	FWL	1	178	36E	
WELL NO.		GE LOCAT		SEC.	TOWNSHIP	RANGE	
		·		T	ubular Data	**************************************	
ompleted			Surfac	e Casing			
2-22-39			Size:_	13	" Cemented	with	sx
epened 6-20-87			TOC: _	Surface	feet d	etermined by	circ
			Hole s	ize: <u>1</u>	7-1/4"		
		Lz91'	Interm	ediate Ca	sing		
					" Cemented	with 500	SX
			TOC:	2021	feet d	letermined by	calc
		3109	Hole S	ize:	11"		
		83/8,	Long S	tring			•
		0			" Cemented	with <u>325</u>	sx
		-45411	TOC:	2890	feet d	letermined by	calc so
•	{	51/2"	Hole S		7-7/8"	·	•
	}	4960'	,	Depth:	5125	,	
	. 7	TO					
	1	. s125'	<u></u>	1541	feet to	5125 Indicate whic	feet
•		11)	(perfo	rated or	open-hole, i	indicate which	h)
Tubing size 2-3	/8" lined	with _		IPC (mat	erial)		set in a
(brand & model	tension	p	acker a	it <u>449</u>	9	feet.	
or describe any o	•	-tubing	seal)				
ther Data							
Name of the in	jection for	mation		San	Andres	· · · · · · · · · · · · · · · · · · ·	
. Name of Field	or Pool (If	applic	able)	Lovingt	on San Andre	es	
Is this a new If no, for wha	well drille t purpose w	ed for i	njectio well or	on? No	drilled?	Production	
Has the well e intervals and used.							forated

Underlying-Grayburg

Greenhill Pet	troleum Corporation	Lovington	Paddock		
OPERATOR		LEASE			
#26	2130' FSL & 2160' FEL	31	168	37E	
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE	

## Tubular Data

Spud Date 8-26-53

## Surface Casing

Size: 8-5/8" Cemented with 975 SX

TOC: Surface feet determined by calc

Hole size:

# Intermediate Casing

2041'

Size:

Cemented with

SX

TOC:

feet determined by

Hole size:

Long String

Size: 5-1/2" Cemented with 400 SX

TOC: 4077 feet determined by temp

survey

5/2" 110'

Hole size:

Total Depth: 6252'

TO 6252' Injection Interval

- feet to - feet
(perforated or open-hole, indicate which)

Tubing size

lined with - set in a

packer

at - feet. (Or describe any other casing-tubing seal).

#### Other Data

- 1. Name of the injection formation:
- 2. Name of Field or Pool (If applicable) Paddock
- 3. Is this a new well drilled for Injection? No
  If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

No

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.
Above Glorieta

Greenhill Petr OPERATOR	oleum Corporatio	<u>n</u> .	LEASE	gton San An	ares Uni	<u>.                                    </u>	
#16	2310 FEL & 1980	n ESI	31	T16S	R37E		•
WELL NO.	FOOTAGE LOCA		SEC.	TOWNSHIP	RANGI		•
,			Casing	ubular Data	with		sx
•	13"	TOC:		feet 15 1/4	ae ce tiitu	ed by _	
	294,		diate Ca				
		Size:	8 5/8	" Cemented	with	500	SX
Completed 12/6/39	85/8"	TOC: _		feet	determin	ed by	
Converted to	3005'	Hole Si	.ze:	10 1/4			
Injection 3/16/63		Long St	ring			٠	t
	51/2"	Size:	5 1/2	" Cemented	with	200	sx
4.	. \ \ 4605'	TOC:	2343	feet	determin	ed by	8090 cal
	L 4950'	Hole Si		6 3/4			•
		Total I	Depth:	4950'			
·		Injecti	lon Inter	val			
			605 cated or	feet to	495 indicate		feet
Tubing size2 3/	8 lined with		I	PÇ	·	B(	et in a
	1	packer at	(mat	erial) 4557	f	eet.	•
(brand & model) (or describe any oth		g seal).					
Other Data	. • .	-					'
1. Name of the inje	ection formation		· .	San Andres			
2. Name of Field or	Pool (If appli	cable)		_ovington_S	an Andres	3	
3. Is this a new we If no, for what	all drilled for purpose was the				<u>P</u> 1	<u>coducti</u>	on
4. Has the well ever intervals and growth used.	er be perforated Lve plugging det						orated
	to and name of a	ny overl		or underly	ing oil o	or gas	zones

<u> Underlying - Grayburg</u>

Texaco ` OPERATOR	State "O" LEASE
12 WELL NO.	1650' FSL & 2310' FEL 31 16S 37E FOOTAGE LOCATION SEC. TOWNSHIP RANGE
Completed 8-08-52	Surface Casing  Size: 13-3/8 " Comented with 245   SX  TOC: Surface feet determined by calc  Hole size: 18"  13 % 236' Intermediate Casing  Size: 8-5/8 " Cemented with 1800 SX  TOC: Surface feet determined by calc  Hole Size: 12-1/4"
Tubing size	Size: 5-1/2 " Cemented with 700 SX  TOC: 3984 feet determined by 80% call lined with 5½  Total Depth: 8444'  Syz Injection Interval  feet to feet (perforated or open-hole, indicate which)  lined with set in a
Other Data	(material)  packer atfeet.  del)  y other casing-tubing seal).  injection formation
2. Name of Fie	1d or Pool (If applicable) Lovington Abo
	ew well drilled for injection?  what purpose was the well originally drilled? Production
	1 ever be perforated in any other zone(s)? List all such perforated and give plugging detail (sacks of cement or bridge plug(s)
5. Give the de (pools) in	

Greenhill OPERATOR	Petroleum Corporatio	n Lovington San Andres LEASE	
#60	1283' FSL & 2527'		
WELL NO.	FOOTAGE LOCA		
		Tubular Data	
Completed		Surface Casing	
1-31-90		Size: 13-3/8 " Cemented with 450	_sx
		TOC: Surface feet determined by circ	
		Hole size: 17-1/2"	
	L 3951   133/1"	Intermediate Casing	
,		Size: 8-5/8 " Cemented with 600	SX
	2053	TOC: 215 feet determined by calc	_
	85/8	Hole Size: 11" 12 4	
	,	Long String	•
		Size: 5-1/2 " Cemented with 1450	SX
	5340	TOC: Surface feet determined by calc	
•	\$ 51/2"	Hole Size:7-7/8"	
		Total Depth:5400'	
			•
		Injection Interval	
		feet to feet feet feet feet feet feet fe	3t
Tubing size	lined with	(material) set in	ı a
(brand & mo		packer atfeet.	
•	y other casing-tubing	g seal).	
Other Data			
1. Name of the	injection formation	San Andres	
2. Name of Fie	ld or Pool (If applie	cable) Lovington San Andres	
3. Is this a n If no, for	ew well drilled for what purpose was the	injection? No well originally drilled? Production	
4. Has the wel	1 ever be perforated nd give plugging det	in any other zone(s)? List all such perforate ail (sacks of cement or bridge plug(s)	ed
5. Give the de (pools) in	pth to and name of a	ny overlying and/or underlying oil or gas zone	s
	derlying-Grayburg		

	Penroc		State 182 "A"			
	OPERATOR		LEASE			
	4	1650' FSL & 2289' FWL	31	168	37E	
_	WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE	•

## Tubular Data

Workover Aug Sapt-68, sqzd From 6400,5000,4600 with total 1200 sx TOC 4000 by TS

# Surface Casing

Size: 13-3/8" Cemented with 300 SX

TOC: Surface feet determined by calc

133/8" Hole size: 16"

Intermediate Casing

Size: 9-5/8" Cemented with 1200 SX

TOC: Surface feet determined by calc

95/8" Hole size: 12"

3360' Long String

Size: 7" Cemented with 404 SX

TOC: 3798 feet determined by 80% calc

" Hole size: 8"

'7" Hole size: 8 8460'770

Total Depth: 8460'

#### Injection Interval

- feet to - feet
(perforated or open-hole, indicate which)

Tubing size - lined with - set in a

packer

at - feet. (Or describe any other casing-tubing seal).

# Other Data

- 1. Name of the injection formation:
- 2. Name of Field or Pool (If applicable) Lovington Abo
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? <u>Production</u>
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.
- 5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Above Drinkard

Gréenhi11	Petroleum Corporation Lovington Paddock
OPERATOR	LEASE
<b># 27</b>	1960' FWL & 1980' FSL 31 16S 37E
WELL NO.	FOOTAGE LOCATION SEC. TOWNSHIP RANGE
	Tubular Data
	Surface Casing
Completion 6-16-53	Size: 13-3/8 ~ Comented with 350, s
	TOC: Surface feet determined by calc
Converted to Injection 6/67	15% Hole size: 17-1/4"
0,0,	303 Intermediate Casing
	Size: 8-5/8 " Cemented with 900 s
	TOC: 656 feet determined by 50% ca
	gs% Hole Size: 11"
	Long String
	Size: 5-1/2 " Cemented with 250 s
•	TOC: 4692 43/6 feet determined by 80% ea
	Hole Size: 7-7/8"
	5 <sup>4</sup> 2 Total Depth: 6275'
	TD Injection Interval
	6275 6080 feet to 6275 feet
	(perforated or open-hole, indicate which)
ubing size 2-3/	8" lined with IPC set in
-	(material) packer at 6000 feet.
(brand & model	
r describe any o	ther casing-tubing sear).
her Data	De dide etc.
Name of the in	jection formation
Name of Field	or Pool (If applicable)  Paddock
	well drilled for injection? <u>No</u> t purpose was the well originally drilled? <u>Production</u>
	ever be perforated in any other zone(s)? List all such perforated give plugging detail (sacks of cement or bridge plug(s)
useu. No	

Greenhill Pet OPERATOR	roleum Corporatio	n Loving LEASE	iton San Andr	es Unit	<del></del>
#14 WELL NO.	1980 FSL & 81		T16S TOWNSHIP	R37E RANGE	
,	1 1 1	Tu Surface Casing	ıbular Data		•
·	1034"	Size: 10 3/4 TOC: Surface	feet de	etermined by	,
Completed	314'	Intermediate Cas	sing		SX
8/7/39 Converted to Injection 3/15/63	7 5/8 ° 3000'	TOC: 363.7  Hole Size:			50% calc
3, 13, 03	5½ 1530	Size: 5 1/2 TOC: 604'	feet d	<del> </del>	,
	5087	Hole Size:  Total Depth:  Injection Inter			•
Tubing size2	3/8 lined with	4530 (perforated or			
(brand & model)	)	packer at 446	erial) 8.11	feet,	
Other Data				•	
1. Name of the in					
	or Pool (If appli	, · · · · · · · · · · · · · · · · · · ·	<u>ovington San</u>	Andres	· · · · · · · · · · · · · · · · · · ·
	well drilled for t purpose was the			Product	ion
	ver be perforated give plugging det		ent or bridg		forated
	to and name of a	•		ng oil or gas	zones
<u> </u>	iderlying - Graybu	ırg	•	· ·	

Texaco	Texaco State "0"			
OPERATOR		LEASE		
10	440' FWL & 3080' FNL	31	165	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

# Tubular Data

Completed Surface Casing 4-13-52 Size: 13-3/8" Cemented with -225 SX TOC: Surface feet determined by calc Hole size: 18" 133/8" 260' Intermediate Casing Size: 8-5/8" Cemented with 700 SX Surface circa TOC: 1046 feet determined by 50% calc 85/8" Hole size: 11" 3190' Long String 5-1/2" Cemented with 775 SX Size: TOC: feet determined by 80% calc 4298 Hole size: 7-7/8" TO 8520' Total Depth: 8520' Injection Interval feet to (perforated or open-hole, indicate which)

Tubing size - lined with - set in a - packer

at - feet. (Or describe any other casing-tubing seal).

## Other Data

- 1. Name of the injection formation:
- 2. Name of Field or Pool (If applicable) Lovington Abo
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.
- 5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

(Above) Drinkard

Greenhill Pe	troleum Corporation	Lovington	Paddock	
OPERATOR		LEASE		
#33	1650' FSL & 400' FEL	36	16S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

## Tubular Data

Completion Surface Casing 2-2-53 8=5/8" Cemented with 250 SX Size: Deepened for Inj. 12/66 TOC: Surface feet determined by calc circ 6150-6237' 133/8 Hole size: Converted to Injection 12/66 Intermediate Casing Cemented with SX 3/2' Size: TOC: feet determined by Hole size: Long String 7" Cemented with 400 SX Size: feet determined by 80% calc TOC: 3636 614191 Hole size: 8-3/4" TO 6237' Total Depth: 6237' Injection Interval

6040 feet to 6237 feet (perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with IPC set in a

packer

at 5972 feet. (Or describe any other casing-tubing seal).

## Other Data

1. Name of the injection formation:

**Paddock** 

2. Name of Field or Pool (If applicable) Paddock

- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

No

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

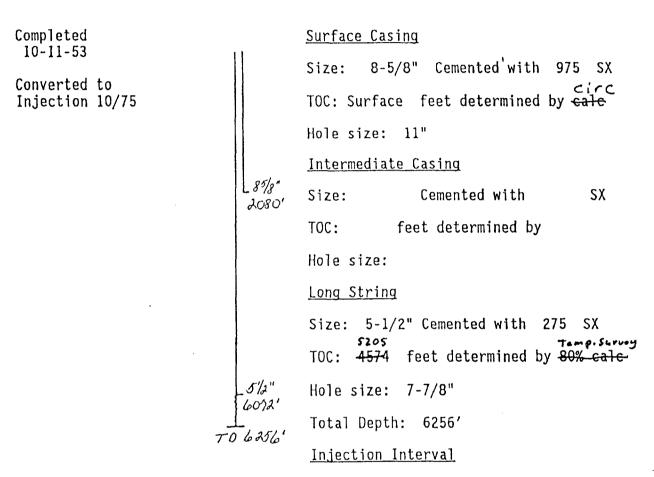
	troleum Corp. Louington Paddock
OPERATOR	LEASE
84	1100 FEL & 2285 FSL 36 T165- R36 E
WELL NO.	FOOTAGE LOCATION SEC. TOWNSHIP RANGE
<u> </u>	
	<u>Tubular Data</u>
	Surface Casing
•	Size: 13 3/8 " Comented with 500 SX
	TOC: Surface feet determined by cale
omp4/5/90	13 1/8 liole size: 17 1/2
•	350 Intermediate Casing
	Size: 8 1/8 " Cemented with 1200 SX
	85% TOC: Inface feet determined by 50% cal
	3019 Hole Size: //
	Long String
	Size: 5½ " Cemented with 1040 SX
	feet determined by 80% co
	70 V470 Hole Size: 778
	Total Depth: 6470
	Injection Interval
	(perforated or open-hole, indicate which)
Tubing size	lined with set in a
	(material) - packer at feet.
(brand & mode	1)
(or describe any	other casing-tubing seal).
Other Data	
1. Name of the 1	njection formation
2. Name of Field	or Pool (If applicable) Lovington Paddock
•	well drilled for injection?
	at purpose was the well originally drilled?
4. Has the well intervals and used.	ever be perforated in any other zone(s)? List all such perforated give plugging detail (sacks of cement or bridge plug(s)
5. Give the dept (pools) in th	th to and name of any overlying and/or underlying oil or gas zones is area.
	(About) Glorieta

	enhill Pet	troleum Co	rporation		Lovingt	on San And	res	
	OPERATOR				LEASE			
	#54 :	1980 '	FSL & 1980'	FEL	36	16S	36E	
	WELL NO.		FOOTAGE LOCAT	ION	SEC.	TOWNSHIP	RANGE	
					Tub	ular Data		
Spud 1	oud 1-7-63		11	Surf	ace Casing			
				Size	: 7-5/8 "	Cemented	with 240	sx
				TOC:	Surface	feet d	etermined by	calc
			352'	Ho1e	size: 9-7	7/8"	<del></del> .	
				<u>Inte</u>	rmediate Casi	lng		
				Size	;	Cemented	with	sx
				TOC:		feet d	etermined by	
				Hole	Size:	<del></del>		
			411/011	Long	String			
			5070'	Size	: 4-1/2 "	Cemented	with235	sx
			5110'	TOC:	2314	feet d	letermined by	Temp surv
				Hole	Size:	6-3/4"		•
		· ·		Tota	ıl Depth:	5110'		
				Inje	ection Interv	al		
		·			662 forated or o		5037 Indicate whic	feet
Tubi	.ng size _	2"	lined with _		IPC		,	set in a
	?			acker	(mate at 4579	rial)	feet.	
,	brand & m lescribe a	•	casing-tubing	seal	<u></u>			
	Data							•
		a intecti	on formation		San Andres			
		-	ol (If applic			:		·
			drilled for i		•			
			pose was the					
4. I			e perforated plugging deta					forated

Greenhill OPERATOR	Petroleum Corp.	State"R" LEASE
83	2310 FWL (1650	FSL Sec 36 7165-R36E
WELL NO.	FOOTAGE LOCAT	TION SEC. TOWNSHIP RANGE
		Tubular Data
		Surface Casing
		Size: 13 1/8. ". Comented with 245 SX
		TOC: <u>suface</u> feet determined by <u>cale</u>
mpleted	. 1 1 13/1	Hole size: /8
0/11/52	,	Intermediate Casing
6 400 ,		Size: 85/8 " Cemented with 1200 SX
UPBTD 6370 1/20/1	36	TOC: suface feet determined by 50% ca
	45/8	Hole Size: //
	3296	Long String
		Size: 5 1/2 " Cemented with 900 SX
	- PBTD 6370 5'/2	TOC: 3551 feet determined by 80% cale
	L .TD 8454	Hole Size: 77/8
. •		Total Depth: 8454
	•	
		Injection Interval
•		feet to feet (perforated or open-hole, indicate which)
Tubing size	lined with _	set in a
		(material) eacker atfeet.
(brand & mode (or describe any	el) other casing-tubing	; seal).
Other Data		
	injection formation	
		cable) Louing ten 160
		well originally drilled? <u>production</u> .
intervals and		in any other zone(s)? List all such perforated all (sacks of cement or bridge plug(s)
used.		
5. Give the dep (pools) in t	th to and name of ar	ny overlying and/or underlying oil or gas zones
		Alorieta

Greenhill P	etroleum Corporation	Lovington	Paddock	
OPERATOR		LEASE		
#29	2130' FSL & 2130' FWL	36	168	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

#### Tubular Data



6072 feet to 6256 feet (perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with IPC set in a

packer

at 5992 feet. (Or describe any other casing-tubing seal).

#### Other Data

1. Name of the injection formation: Paddock

- 2. Name of Field or Pool (If applicable) Paddock
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? <u>Production</u>
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

No

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

<del>Cities Se</del> r	Cities Service Penroc		4E	
OPERATOR		LEASE		
2 Y	1420' FSL & 990' FWL	36	168	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

#### Tubular Data

Surface Casing Size: 13-3/8" Cemented with 350 SX circ. TOC: Surface feet determined by calc Hole size: 17-1/2" 133/8 303 Intermediate Casing Size: 8-5/8" Cemented with 1800 85/8" TOC: Surface feet determined by calc 3328' Hole size: 12-1/4" Long String Size: 5-1/2" Cemented with 1330 SX TO 8510' temp. survey feet determined by 80% calc Hole size: 7-7/8" Total Depth: 8510' Injection Interval

- feet to - feet
(perforated or open-hole, indicate which)

Tubing size - lined with - set in a -

packer

at - feet. (Or describe any other casing-tubing seal).

## Other Data

- 1. Name of the injection formation:
- 2. Name of Field or Pool (If applicable) Lovington Abo
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.
- 5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

(Above) Drinkard

	Corporation	Lovington	San Andre	!S	
OPERATOR		LEASE			
	SL & 660' FWL		16S	36E	
WELL NO. F	OOTAGE LOCATION	SEC. T	OWNSHIP	RANGE	
		<u>Tubul</u>	ar Data		
mpleted -29-65	Surface	Casing			
-29-05	Size:	3-5/8 <b>"</b> d	emented w	ith <u>825</u>	sx
	TOC: _	Surface	_ feet de	termined by	circ
	Hole s	ze: <u>11"</u>		·	
	Interme	ediate Casing	3		
	2064 Size:_		Cemented w	with	sx
	85/8" TOC: _		_ feet de	etermined by	
	Hole S	ize:		<del></del>	
	Long S	tring			
	Size:_	4-1/2 "	Cemen <b>ted</b> v	vith 450	
		3581	feet de	etermined by	tempsu <del>calc</del>
•	L5660' 41/2" Hole S	ize: <u>7-7</u>	/8"		•
	TO Total	Depth: 50	6 <u>0</u>		
	Inject	ion Interval			
	(perfo		n-hole, i	5034 ndicate which	
Cubing size 2"	lined with	IPC	_1\	s	et in a
Halliburton R-3 lension	n packer a	(materi t461	al)	feet.	
(brand & model) or describe any other c	asing-tubing seal).				
ther Data					
Name of the injection	n formation	San Andr	res		
. Name of Field or Poo				S	
. Is this a new well d		.,			
If no, for what purp		```	11ed? Pi	roduction	
. Has the well ever be intervals and give p used. NO		-		-	Corated
	·				

Underlying-Grayburg

Greenhill Pe	Greenhill Petroleum Corporation		Paddock	
OPERATOR		LEASE		
#30	3630' FNL & 330' FEL	35	16S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

## Tubular Data

Completed Surface Casing 4-12-53 Size: 13-3/8" Cemented with 350 SX 4/53 Plugged Back from Abo TOC: Surface feet determined by calc Cmt 6275-6400' 133/8" Hole size: Cmt 8240-8400' 3391 Cmt 8600-8760' Intermediate Casing Converted to Size: 8-5/8" Cemented with 400 SX Injection 12/66 TOC: Surface feet determined by calc Hole size: 85/2" 3369' Long String Size: 5-1/2" Cemented with 400 SX TOC: 4200 feet determined by temp survey Hole size: 7-7/8" 5/2" Total Depth: 8760' 6087 PBTD Injection Interval 6270' 6087 feet to 6270 TO 8160' (perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with IPC set in a

packer

at 5999 feet. (Or describe any other casing-tubing seal).

## Other Data

- 1. Name of the injection formation:
- <u>Paddock</u>
- 2. Name of Field or Pool (If applicable) Paddock
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? <u>Production</u>
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

No

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

<del></del>	Petroleum Corporation	Loving	ton San Andre	<u> </u>	
OPERATOR	* .	LEASE			
#37	330' FNL & 990' FE	L6			
WELL NO.	FOOTAGE LOCAT	TION SEC.	TOWNSHIP	RANGE	
		Tı	ıbular Data		
Completed					
7-24 <b>-</b> 46		Surface Casing	,		,
		Size: 13	Cemented w	1th 20	sx
	20'	TOC: Surface	feet de	termined by <u>ci</u>	rc
	13"	Hole size:	15"		
		Intermediate Cas	sing		
		Size: 7-5/8	" Cemented w	ith 500	sx
Deepento 5030		TOC: Surface	feet de	termined by <u>ca</u>	.lc
		Hole Size:	9-3/4"		
		Long String			
	2015 1	Size: 5-1/2	" Cemented w	ith 290	sx
		TOC: Surface	feet de	etermined by $\underline{C}$	alc
·		Hole Size:	6-1/4"	•	
	4560'	Total Depth: _	4943'		
	51/2"	Injection Inter	val_		
	1943 TD	4560 — (perforated or	feet to open-hole; in		feet
Tubing size	2 /8 - lined with _	·	TPC erial)	set	in a
		(mat acker at 45		foot	
(brand & mo	del)			Leou.	
(or describe an	y other casing-tubing	seal).			
Other Data					
1. Name of the	injection formation	San And	lies -		<del></del>
2. Name of Fie	ld or Pool (If applic	able) Lovingto	on San Andres	*- <del>**</del> -	
	ew well drilled for i		drilled? Pr	oduction	
	l ever be perforated nd give plugging deta				ated
	pth to and name of an	y overlying and/	or underlyin	g oil or gas zo	nes
(pools) in					
unc	lerlying-Grayburg				

OPERATOR	roreum corporation	Lovington San Andres Unit LEASE
#27	660 FEL & 660 FSL	
WELL NO.	FOOTAGE LOCATION	عدد نورون المرابع
		Tubular Data
	Sur	face Casing
	Siz	e: 7 5/8 " Cemented with 600 S
	тос	: Surface feet determined by calc
•	.	e size: 9 1/4"
	Int	ermediate Casing
Completed	Siz	e: Cemented with
	2035' TOC	: feet determined by
	. 1 78	e Size:
	Lor	g String
	Siz	e: 5 1/2 " Cemented with 300
•	TOO	: 273 feet determined by 80% ca
	. 4600' 5½" Hol	e Size: 6 1/2"
•	I Enna!	al Depth: 5000'
	. , ,	ection Interval
	,	feet to feet
	(pe	referenced or one hale Indiante which)
ubing size	lined with	material)  gratfeet.
	packe	(material) er atfeet.
(brand & model)	ther casing-tubing sea	
-	the same same same same	- <b>, ·</b>
<u>her Data</u>		
Name of the in	ection formation	
Name of Field	or Pool (If applicable	Lovington San Andres
	well drilled for inject to the well	ction? No Production
·	•	any other zone(s)? List all such perforated
intervals and		(sacks of cement or bridge plug(s)
used. No		
	· · <del> · · · - · · · ·</del>	

Underlying - Grayburg

Greenhill Pe	troleum Corporation	Lovington	Paddock'	
OPERATOR		LEASE		
#43	660' FSL & 460' FEL	35	168	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

#### Tubular Data

Spud Date 4-29-54

## Surface Casing

Size: 8-5/8" Cemented with 1800 SX

TOC: Surface feet determined by calc

Hole size:

35/3" Ir

## Intermediate Casing

Size: Cemented with

SX

TOC:

feet determined by

Hole size:

Long String

51/2" 6093'

TO 6285'

Size: 5-1/2" Cemented with 485 SX

TOC: 3613 feet determined by temp

survey

Hole size:

Total Depth: 6285'

Injection Interval

- feet to - feet
(perforated or open-hole, indicate which)

Tubing size

lined with - set in a

packer

at - feet. (Or describe any other casing-tubing seal).

## Other Data

- 1. Name of the injection formation:
- 2. Name of Field or Pool (If applicable) Paddock
- 3. Is this a new well drilled for Injection? No
  If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

No

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

(	Greenhill	Petroleum Corporation	Lovington	Paddock	
•	OPERATOR		LEASE		
	#42	990' FWL & 660' FSL	36	168	36E
	WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

#### Tubular Data

Completed 11-17-55

Size: 13-3/8" Cemented with 300 SX TOC: Surface feet determined by calc 1714 Hole size: Intermediate Casing Size: 8-5/8" Cemented with 2000 SX

TOC: Surface feet determined by calc circ

Hole size: 11-1/4"

Surface Casing

85/8" Long String 3329'

133/8' 326'

Size: 5-1/2" Cemented with 400 SX

TOC: 3883 feet determined by 80% calc

Hole size: 7-7/8"

Total Depth: 6250'

Injection Interval TD 6250'

> 6062 feet to 6250 feet (perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with IPC set in a

packer

at 6007 feet. (Or describe any other casing-tubing seal).

6062'

#### Other Data

Name of the injection formation: <u>Paddock</u>

Name of Field or Pool (If applicable) <u>Paddock</u>

- Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Greenhill Pet OPERATOR	roleum Corporatio	n Lovington San Andres Unit LEASE
	CC0 FC1 0 1000	
#26 WELL NO.	660 FSL & 1980 FOOTAGE LOCA	
	·	Tubular Data
	1.1.1	Surface Casing
		Size: 13 " Cemented with 200 SX
		TOC: Surface feet determined by circ
		Hole size: 15"
	13"	Intermediate Casing
Completed		Size: 8 5/8 " Cemented with 400 SX
12/3/39		TOC: 390 feet determined by 70% calc
		Hole Size: 9 7/8"
		Long String
	85/2"	Size: 5 1/2 " Cemented with 200 SX
•		TOC: 3200' est. feet determined by catc
•		Hole Size: 6 3/4"
	5½" - 4520'	Total Depth: 5128'
	}.	
	L705128'	
•		feet to feet (perforated or open-hole, indicate which)
Tubing size	lined with	set in a
	· · ·	(material) packer atfeet.
(brand & model)	)	
Other Data		<b>6</b> , ·
·	l	San Andros
		San Andres
2. Name of Field	or Pool (If appli	cable) Lovington San Andres
	well drilled for t purpose was the	injection? No well originally drilled? Production
	give plugging det	in any other zone(s)? List all such perforated ail (sacks of cement or bridge plug(s)
5. Give the depth (pools) in thi	to and name of a	ny overlying and/or underlying oil or gas zones
•		J

Greenhill Pet	roleum Corporation	Lovington	Paddock		
OPERATOR		LEASE	,		
#41	810' FSL & 2130' FWL	36	165	36E	
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE	

#### Tubular Data

## Surface Casing

Size: 8-5/8" Cemented with 875 SX

TOC: Surface feet determined by calc

Hole size:

## Intermediate Casing

Size:

e: Cemented with

SX

TO

\_85/8° 2048'

TOC:

feet determined by

Hole size:

Long String

Size: 5-1/2" Cemented with 275 S)

TOC: 4700 feet determined by temp

survey

Hole size:

L5ね" Gass' Total [

Total Depth: 6260'

TO 6260'

Injection Interval

- feet to - feet
(perforated or open-hole, indicate which)

Tubing size

lined with - set in a

packer

at - feet. (Or describe any other casing-tubing seal).

## Other Data

- 1. Name of the injection formation:
- 2. Name of Field or Pool (If applicable) Paddock
- 3. Is this a new well drilled for Injection? No
  If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

No

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Texaco		State '	'R"	
OPERATOR		LEASE		
5	330' FSL & 2310' FWL	36	168	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

## Tubular Data

Completed 6-30-52

## Surface Casing

Size: 13-3/8" Cemented with 245 SX

TOC: Surface feet determined by calc

Hole size: 18"

# Intermediate Casing

Size: 8-5/8" Cemented with 800 SX

TOC: 900 feet determined by 50% calc

Hole size: 12-1/4"

# Long String

Size: 5-1/2" Cemented with 800 SX

TOC: 4093 feet determined by 80% calc

Hole size: 7-7/8"

note 512e: 1-1/6

Total Depth: 8450'

#### Injection Interval

- feet to - feet
(perforated or open-hole, indicate which)

Tubing size - lined with - set in a

packer

at - feet. (Or describe any other casing-tubing seal).

133/8' 240'

85/8"

3350'

TO 8450'

#### Other Data

- 1. Name of the injection formation:
- 2. Name of Field or Pool (If applicable) Lovington Abo
- 3. Is this a new well drilled for Injection? No
  If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.
- 5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

(Above) Drinkard

	Greenhill Pet	troleum Corporation	Lovington	Paddock	
_	OPERATOR		LEASE		
	#40	1980' FEL & 810' FSL	36	168	' 36E
_	WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

#### Tubular Data

Completed Surface Casing 10-07-53 8-5/8" Cemented with 850 SX Size: TOC: Surface feet determined by calc Hole size: 11" Intermediate Casing 85/8" Cemented with Size: SX 2043' TOC: feet determined by Hole size: Long String Size: 5-1/2" Cemented with 265 SX TOC: 4565 feet determined by 80% calc Hole size: 77/8 Total Depth: 6252' 6009' Injection Interval TD 6252' feet to 6252 feet (perforated or open-hole, indicate which)

Tubing size 2-3/8 lined with IPC set in a

packer

at 5881 feet. (Or describe any other casing-tubing seal).

## Other Data

1. Name of the injection formation: Paddock

- 2. Name of Field or Pool (If applicable) Paddock
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

No

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Texaco		Skelly "(	l" State	
OPERATOR		LEASE		
4	330' FSL & 1650' FEL	36	168	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

## Tubular Data

Surface Casing Completed 4-23-52 Size: 13-3/8" Cemented with 265 SX TOC: Surface feet determined by <del>calc</del> 133/8 Hole size: 18" Intermediate Casing Size: 8-5/8" Cemented with 800 SX 85/8" Lirc. surface 334/31 798 feet determined by 50% calc TOC: Hole size: 11" Long String Size: 5-1/2" Cemented with 800 SX TOC: 4077 feet determined by 80% calc TO 8435' Hole size: 7-7/8" Total Depth: 8435' Injection Interval feet to (perforated or open-hole, indicate which)

Tubing size lined with - set in a packer

at (Or describe any other casing-tubing seal).

#### Other Data

- Name of the injection formation: 1.
- 2. Name of Field or Pool (If applicable) Lovington Abo
- Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

(Above) Drinkard

Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

		Petroleum Corporation			on San Andr	es	· · · · · · · · · · · · · · · · · · ·
0	PERATOR			LEASE			
	#24	660' FEL & 660	' FSL	36	168	36E	
W	ELL NO.	FOOTAGE LOCAT		SEC.	TOWNSHIP	RANGE	
				m 1			
				Tu	bular Data		
Complet			Surfac	e Casing			
9-8-39	9		Size	12 "	Cemented	with 250	sx
				•			
			TOC: _	Surface	feet d	etermined by	circ
			Hole s	size:	17-1/4" 15	- , ,	
		L 322'	Inter	nediate Cas	ing		
					_		
			Size:	8-5/8 "	Cemented	with	sx
			TOC:	1458	feet d	letermined by	calc
		2990' 85/8"	Hola	Sizo:	12-1/4" 93	/4	
		8 -18	HOLC I	126.	4L 1/1		•
		•	Long S	String			
			Size:	5-1/2 _~	Cemented	with250	sx
	•	し4515'   5リン"	<u> ፐ</u> በሮ •	3145 500	fore feet d	letermined by	calo
		. } 3,2	•				·
		5075'	Hole	Size:	7-7/8" 6 V	<u> </u>	
		TD	Total	Depth:	5075'		
		· ·					
		•	Injec	tion Interv	<u>al</u>		
			7		feet to	Indicate which	feet
		,	(berr	oraced or o	ppen-noie, i	indicate which	1)
Tubing	g size	lined with					set in a
		p	acker		rial)	feet.	
•	rand & mo	del) .					
(or des	scribe an	y other casing-tubing	; seal)	•			
Other I	Data						
1. Nar	me of the	injection formation					
		•					
2. Nar	me of Fie	eld or Pool (If applic	able)	Lovingto	n San Andre	es	
3. Is	this a no, for	new well drilled for i what purpose was the	njecti well o	on? No riginally o	irilled? F	Production	
in		l ever be perforated and give plugging deta					forated
		epth to and name of ar	y over	lying and/o	or underlyi	ng oil or gas	zones
(1)		derlying-Grayburg					
•	UII	aci is ing-arayoury				•	

	Texaco	Skelly "Q" State
	OPERATOR	LEASE
	3	330' FSL & 330' FEL 36 16S 36E
	WELL NO.	FOOTAGE LOCATION SEC. TOWNSHIP RANGE
	. ,	Tubular Data
		III Surface Casing
		Size: 13
		TOC: Surface feet determined by calc
		lole size: 18"
		Intermediate Casing
		Size: 8-5/8 " Cemented with 1750 SX
		TOC: Surface feet determined by calc
		Hole Size: 12-1/4"
	·	Long String 3421
		Size: 5-1/2 " Cemented with 739 SX
•		TOC: 4037 feet determined by Haliburto
		108442 Total Depth: 8442'
	•	Injection Interval
		feet to feet (perforated or open-hole, indicate which)
Tul	oing size	lined with set in a (material)
	·	packer atfeet.
(or	(brand & model) describe any other	casing-tubing seal).
<u>Oth</u>	er Data	
1.	Name of the inject	ion formation
2.	Name of Field or F	Cool (If applicable) Lovington Abo
3.		drilled for injection?  No  Production  rpose was the well originally drilled?
4.		be perforated in any other zone(s)? List all such perforated a plugging detail (sacks of cement or bridge plug(s)
5.	Give the depth to (pools) in this an	and name of any overlying and/or underlying oil or gas zones
	Above Drinka	
		·

Greenhill Pet	roleum Corporation	Lovington	Paddock	
OPERATOR		LEASE		
#38	810' FSL & 665' FWL	31	168	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

### Tubular Data

Surface Casing Completed 6-28-53 Size: 9-5/8" Cemented with 900 SX Converted to TOC: Surface feet determined by calc Injection 1-71 Hole size: 12-1/4" Intermediate Casing Cemented with SX 95/8" Size: 20901 TOC: feet determined by Hole size: Long String Size: 5-1/2" Cemented with 500 SX TOC: 3316 feet determined by 80% calc Hole size: 7-7/8" Total Depth: 6252' TO 6252' Injection Interval

6040 feet to 6220 feet (perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with IPC set in a

packer

at 5966 feet. (Or describe any other casing-tubing seal).

#### Other Data

- 1. Name of the injection formation: Paddock
- 2. Name of Field or Pool (If applicable) Paddock
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? <u>Production</u>
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

No

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Texaco		State "O" Bat	ttery 2
OPERATOR		LEASE	
9	660' FSL & 815' FWL	31	16S 37E
WELL NO.	FOOTAGE LOCATION	SEC. TO	OWNSHIP RANGE

## <u>Tubular Data</u>

Completed 12-8-51

Surface Casing

Size: 13-3/8" Cemented with 650 SX

TOC: Surface feet determined by calc

133/8" 315

Hole size: 18"

Intermediate Casing

Size: 9-5/8" Cemented with 4500 SX

95/8" 5135' TOC: Surface feet determined by calc

Hole size: 12-1/4"

Long String

Size: 5-1/2" Cemented with 650 SX

TOC: 4959 feet determined by 80% calc

TO 8500'

Hole size: 7-7/8"

Total Depth: 8500

Injection Interval

- feet to - feet
(perforated or open-hole, indicate which)

Tubing size - lined with - set in a

packer

at - feet. (Or describe any other casing-tubing seal).

## Other Data

- 1. Name of the injection formation:
- 2. Name of Field or Pool (If applicable) Lovington Abo
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.
- 5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

(Above) Drinkard

Greenhill Petr	oleum Corporatio	<u>n</u>	Loving LEASE	ton San Andr	<u>es Unit</u>	
#23	660 FSL & 900	FWI	31	T16S	R37E	
WELL NO.	FOOTAGE LOCA		SEC.		RANGE	
	·		Tu	bular Data		
		Surface	Casing			
		Size:_	13 - "	. Cemented w	1th2	x2 <u>00</u>
		TOC: _	Surfac	e feet de	termined b	y <u>calc</u>
	13"	Hole s	lze:	14		
		Interme	ediate Cas	ing		
	95/8"	Size:_	9 5/8 ~	Cemented	vith 5	00 sx
Completed 6/2/39	3013'	TOC: _	1773	feet de	etermined b	y <u>50% cal</u>
		Hole S	ize:	11 1/4 ·	<del></del>	
	- qu	Long S	tring		•	
	4221,	Size:_		Cemented t	with2	
•	TD 508)	TOC: _	2735	feet d	etermined b	y <u>80% cal</u>
·		Hole S	ize:	8 1/4		•
	· ·	Total	Depth:	5081 <b>'</b>		
		Inject	ion Interv	val	•	
		,	·	feet to	***************************************	feet
				open-hole, i	ndicate whi	leh) -
Tubing size	lined with	·	(mate	erial)		set in a
(brand & model)	1	packer a	t		feet	•
(or describe any oth	er casing-tubing	g seal).				
Other Data					•	
L. Name of the inje	ction formation	<del></del>	San A	ndres .		
2. Name of Field or	Pool (If applie	cable)	Lovin	gton San And	lres	
Is this a new we If no, for what				drilled?	Productio	<u>n ·</u>
intervals and giused.						erforated
				or underlyin	(	•

Underlying - Grayburg

	220 501 6 4650 5	18 01 T1CC PTOE
#22 WELL NO.	330 FSL & 1650 F FOOTAGE LOCATION	
		Tubular Data
	lli Su	rface Casing
		ze: 13 " Cemented with 200 S
•		
	.       13*	G: Surface feet determined by calc
	.   277	le size: 15 ½-
		termediate Casing
ompleted 11/19/55	1 }	ze: 9 5/8 Cemented with 500 S
		C: 1369 feet determined by 50% cal
eepened to 4917 6/8/66		le Size: 1114 ·
eepened to 5086	1_ 1"	ng String
2/4/86	· /	ze: 7 " Cemented with 200 S
•	TD 4760' IC	C: 3161 feet determined by 80% cald
•	deepened Ho	le Size: 8 <sup>3</sup> /4
	16-8-60	etal Depth: 5086
	2-4-86	jection Interval
		feet to feet
•	(1	perforated or open-hole, indicate which)
Tubing size	lined with	(material) set in a
	pacl	cer atfeet.
(brand & model) or describe any oth	er casing-tubing so	eal).
ther Data	. •	
. Name of the inje	ction formation	San Andres
		Le) Lovington San Andres
•	• • • • • • • • • • • • • • • • • • • •	
		ection? No Il originally drilled? Production
		any other zone(s)? List all such perforated (sacks of cement or bridge plug(s)

Greenhill Pe	Greenhill Petroleum Corporation			
OPERATOR		LEASE		
#37	330' FSL & 2290' FWL	31	168	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

## Tubular Data

Spud Date 8-6-53

### Surface Casing

Size: 13-3/8" Cemented with 350 SX TOC: Surface feet determined by  $\frac{\text{circ}}{\text{calc}}$ 

Hole size: 171/2

### Intermediate Casing

Size: 8-5/8" Cemented with 930 SX

TOC: 1235 feet determined by temp survey

Hole size: //

### Long String

Size: 5-1/2" Cemented with 250 SX

TOC: 4290 feet determined by temp survey

Hole size: 71/8

Total Depth: 6250'

#### Injection Interval

6054 feet to 6250 feet (perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with IPC set in a

packer

at - feet. (Or describe any other casing-tubing seal).

3279'

TD6250

#### Other Data

1. Name of the injection formation: Paddock

2. Name of Field or Pool (If applicable) Paddock

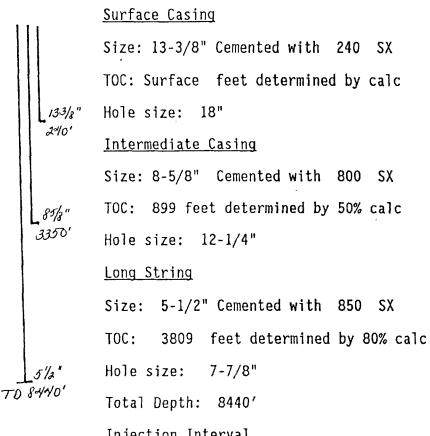
- 3. Is this a new well drilled for Injection? No
  If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Above Glorieta

Texaco		State "O"		
OPERATOR		LEASE		
11	330' FSL & 2310' FEL	31	168	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

#### Tubular Data



## <u>Injection Interval</u>

- feet to - feet
(perforated or open-hole, indicate which)

Tubing size - lined with - set in a - packer

at - feet. (Or describe any other casing-tubing seal).

## Other Data

- 1. Name of the injection formation:
- 2. Name of Field or Pool (If applicable) Lovington Abo
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

(Above) Drinkard

#21 2310 FEL & 660 FSL 31 T165 R31E  WELL NO. FOOTAGE LOCATION SEC. TOWNSHIP RANGE    Tubular Data   Surface Casing		Greenhill FOPERATOR	Petroleum Corporation	Lovingt LEASE	ton San Andres Ur	nit
Surface Casing  Size: 13 " Cemented with 175 SX  TOC: Surface feet determined by 60% calc  Intermediate Casing  Size: 8 5/8 " Cemented with 400 SX  Size: 8 5/8 " Cemented with 400 SX  Size: 8 5/8 " Cemented with 400 SX  Hole Size: 10 4 9 7/8  Long String  Size: 5 1/2 " Cemented with 150 SX  TOC: 1784 feet determined by 80% calc  Hole Size: 6 1/4  Toc: 1626 6/2 feet determined by 80% calc  Hole Size: 6 1/4  Total Depth: 5032'  Injection Interval  (perforated or open-hole, indicate which)  Tubing size 1 ined with (material) set in a (material)  (brand 6 model) (or describe any other casing-tubing seal).  Other Data  1. Name of the injection formation  2. Name of Field or Fool (If applicable) Lovington San Andres  3. Is this a new well drilled for injection? No  If no, for what purpose was the well originally drilled? Production  4. Has the well ever be perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used.  No  5. Give the depth to and name of any overlying and/or underlying oil or gas zones	<b>G</b> INGTON, SECTION OF THE SECTION OF	#21		) FSL 31		
Size: 13 " Cemented with 220 175 SX  TOC: Surface feet determined by 614 Center of the determined by 614 Center of the determined by 614 Center of the determined by 615 Center of the determi				Tul	oular Data	
Size: 13				Surface Casing		
TOC: Surface feet determined byeale_    302   Noie size:		!	11.1	Size: 13 ".	Cemented with	200 <del>175</del> sx
Completed 9/20/39  Size: 8 5/8 " Cemented with 400 SX  100: 1784 feet determined by 50% calc  Hole Size: 6 1/2 " Gemented with 150 SX  100: 1626 642 feet determined by 80% calc  liole Size: 6 1/4  Total Depth: 5032'  Injection Interval  [packer at [material]] feet  [packer at [material]]  [packer at [material]]  [packer at [material]]  [packer at [material]]  [total de model]  (or describe any other casing-tubing seal).  Other Data  1. Name of the injection formation  2. Name of Field or Pool (If applicable) Lovington San Andres  3. Is this a new well drilled for injection? No If no, for what purpose was the well originally drilled? Production  4. Has the well ever be perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used.  No  5. Give the depth to and name of any overlying and/or underlying oil or gas zones				TOC: Surface	feet determ	ined bycirc.
Size: 8 5/8 " Cemented with			302	Hole size:	15	•
Size: 8 5/8 " Cemented with 400 SX  9/20/39  TOC: 1784 feet determined by 50% calc  Hole Size: 6 1/8  Long String  Size: 5 1/2 " Cemented with 150 SX  TOC: 1626 642 feet determined by 80% calc  liole Size: 6 1/4  Total Depth: 5032'  Injection Interval  feet (perforated or open-hole, indicate which)  Tubing size 1 ined with (material) set in a  (brand 6 model) (or describe any other casing-tubing seal).  Other Data  1. Name of the injection formation  2. Name of Field or Fool (If applicable) Lovington San Andres  3. Is this a new well drilled for injection? No  If no, for what purpose was the well originally drilled? Production  4. Has the well ever be perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s)  No  5. Give the depth to and name of any overlying and/or underlying oil or gas zones				Intermediate Cas	ing	
Polo' Toc: 1784   feet determined by 50% calc   Hole Size: 10 4 9 7/8	Comn	latad		Size: 8 5/8 "	Cemented with	500 <del>400</del> SX
Size: 5 1/2 " Cemented with 150 SX    Size: 5 1/2 " Cemented with 150 SX   TOC: 1626 642 feet determined by 80% calc			30101	TOC: 1784	feet determ	ined by 50% calc
Size: 5 1/2 " Cemented with 150 SX    Size: 5 1/2 " Cemented with 150 SX   TOC: 1626 642 feet determined by 80% calc	ı			Hole Size: 10	¼ <del>g 7/8</del> ·	
Size: 5 1/2 " Comented with 200 SX  TOC: 1626 642 feet determined by 80% calc  No size: 5 1/2 " Comented with 150 SX  TOC: 1626 642 feet determined by 80% calc  100 size: 6 1/4  Total Depth: 5032'  Injection Interval  [packer at feet to feet of (perforated or open-hole, indicate which)]  Tubing size 1 lined with set in a (material)  [packer at feet.]  [packer at feet.]  [cor describe any other casing-tubing seal).    Other Data				Long String		
Toc:   1626 642   feet determined by   80% calc				Size: 5 1/2 "	Cemented with	200 <del>150</del> sx
Total Depth: 5032'  Injection Interval  feet to feet  (perforated or open-hole, indicate which)  Tubing size lined with set in a  packer at feet.  (brand & model) (or describe any other casing-tubing seal).  Other Data  1. Name of the injection formation  2. Name of Field or Pool (If applicable) Lovington San Andres  3. Is this a new well drilled for injection? No  If no, for what purpose was the well originally drilled? Production  4. Has the well ever be perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used No  5. Give the depth to and name of any overlying and/or underlying oil or gas zones	•		4570'	TOC: 1626 64	42 feet determ	ined by 80% calc
Total Depth: 5032'  Injection Interval  feet to feet  (perforated or open-hole, indicate which)  Tubing size lined with set in a  packer at feet.  (brand & model) (or describe any other casing-tubing seal).  Other Data  1. Name of the injection formation  2. Name of Field or Pool (If applicable) Lovington San Andres  3. Is this a new well drilled for injection? No  If no, for what purpose was the well originally drilled? Production  4. Has the well ever be perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used No  5. Give the depth to and name of any overlying and/or underlying oil or gas zones			<u></u>	Hole Size:	6 1/4	•
Injection Interval    Tubing size			2097,		•	•
Tubing size lined with set in a feet.  (brand & model) (or describe any other casing-tubing seal).  Other Data  1. Name of the injection formation Lovington San Andres  3. Is this a new well drilled for injection? No If no, for what purpose was the well originally drilled? Production  4. Has the well ever be perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used No  5. Give the depth to and name of any overlying and/or underlying oil or gas zones	•		•			•
Tubing sizelined with			. •		• •	feet
packer at		•	•	(perforated or o		
packer at	Tub	ing size	lined with _	(mato	- (r(al)	set in a
(or describe any other casing-tubing seal).  Other Data  1. Name of the injection formation  2. Name of Field or Pool (If applicable) Lovington San Andres  3. Is this a new well drilled for injection? No If no, for what purpose was the well originally drilled? Production  4. Has the well ever be perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used.  No  5. Give the depth to and name of any overlying and/or underlying oil or gas zones		(brand & mod	P	acker at		_feet.
<ol> <li>Name of the injection formation</li> <li>Name of Field or Pool (If applicable) Lovington San Andres</li> <li>Is this a new well drilled for injection? No         If no, for what purpose was the well originally drilled? Production</li> <li>Has the well ever be perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used.</li></ol>	(or			seal).		
2. Name of Field or Pool (If applicable) Lovington San Andres  3. Is this a new well drilled for injection? No If no, for what purpose was the well originally drilled? Production  4. Has the well ever be perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used.  No  5. Give the depth to and name of any overlying and/or underlying oil or gas zones	<u>Othe</u>	r Data	· · · · · · ,			•
3. Is this a new well drilled for injection? No  If no, for what purpose was the well originally drilled? Production  4. Has the well ever be perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used.  No  5. Give the depth to and name of any overlying and/or underlying oil or gas zones	1.	Name of the	injection formation			
If no, for what purpose was the well originally drilled?  Production  4. Has the well ever be perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used.  No  Sive the depth to and name of any overlying and/or underlying oil or gas zones	2.	Name of Fiel	d or Pool (If applie	able) L	ovington San And	ires
intervals and give plugging detail (sacks of cement or bridge plug(s) used.  No  Sive the depth to and name of any overlying and/or underlying oil or gas zones						Production
5. Give the depth to and name of any overlying and/or underlying oil or gas zones		intervals ar	nd give plugging deta	il (sacks of ceme	ent or bridge plu	
	5.		oth to and name of ar	•		l or gas zones
Underlying - Grayburg			Underlying - Grayb	ourq	•	

	Greenhill Pet	roleum Corporation	Lovingtor	n Paddock	
	OPERATOR		LEASE		
	#36	660' FSL & 2160' FEL	31	168	37E
-	WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

#### Tubular Data

Surface Casing Completed 12-3/53 Size: 8-5/8" Cemented with 1475 SX Converted to TOC: Surface feet determined by calc Injection 1/71 Hole size: 11" Intermediate Casing Cemented with SX Size: 85/8" TOC: feet determined by 3/45' Hole size: Long String Size: 5-1/2" Cemented with 400 SX TOC: 4077 feet determined by temp survey Hole size: 7-7/8" Total Depth: 6245' 6050 Injection Interval feet to 6245 (perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with IPC set in a

packer

at 5974 feet. (Or describe any other casing-tubing seal).

### Other Data

- 1. Name of the injection formation: <u>Paddock</u>
- 2. Name of Field or Pool (If applicable) Paddock
- 3. Is this a new well drilled for Injection? No
  If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Above Glorieta

No

Texaco OPERATOR 23 WELL NO.	xaco St		11	4	
 OPERATOR		LEASE			-
23	990' FSL & 660' FEL	31	165	37E	
 WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE	_

### Tubular Data

Completed 11-6-54

#### Surface Casing

Size: 8-5/8" Cemented with 1575 SX

TOC: Surface feet determined by calc

Hole size: 11"

#### Intermediate Casing

Size:

Cemented with

SX

TOC:

feet determined by

85/8" 3162'

Hole size:

#### Long String

Size: 5-1/2" Cemented with 875 SX

TOC: 3673 feet determined by 80% calc

Hole size: 7-7/8"

J51/2"

Total Depth: 8440'

#### Injection Interval

- feet to - feet
(perforated or open-hole, indicate which)

Tubing size - lined with - set in a

packer

at - feet. (Or describe any other casing-tubing seal).

#### Other Data

- 1. Name of the injection formation:
- 2. Name of Field or Pool (If applicable) Lovington Drinkard
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? <u>Production</u>
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.
- 5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

(Above) Glorieta

Greenhill Petr	oleum Corporation	n Lovington San Andres Unit
OPERATOR		LEASE
#20	660 FSL & 660	
WELL NO.	FOOTAGE LOCAT	TION SEC. TOWNSHIP RANGE
		Tubular Data
		Surface Casing
	111	Size: 13 " Comented with 20 SK
		TOC: Surface feet determined by calc
		Hole size: 15
	13'	Intermediate Casing
Completed		Size: 8 5/8 " Cemented with 475 SX
1/6/45		TOC: 784 feet determined by 50% calc
	2099'	Hole Size: H 10 1/2
		Long String
		Size: 5 1/2 " Cemented with
	5/2"	TOC: 654 1340 feet determined by 80% calc
	· { 4580'	Hole Size: 61/47
	4945	Total Depth: 4945'
		Injection Interval
	•	feet to feet
•		(perforated or open-hole, indicate which)
Tubing size	lined with	(material) set in a
	p	(material) packer atfeet.
(brand & model) (or describe any oth		
Other Data	•	·
1. Name of the inje	ection formation	San Andres
2. Name of Field or	: Pool (If applic	cable) Loyington San Andres
		Injection? No Production Production
	ive plugging deta	in any other zone(s)? List all such perforated ail (sacks of cement or bridge plug(s)
5. Give the depth (pools) in this		ny overlying and/or underlying oil or gas zones
	200	urg

	<u>'etroleum Corporation</u>		vington LEASE	San Andres	š	<del></del>
OPERATOR					•	
	339' FNL & 1890' F		6	17S	37E	<del></del>
WELL NO.	FOOTAGE LOCA	ATION S	SEC.	TOWNSHIP	RANGE	·
			Tubu	ılar Data		
Completed		Surface Cas	sing		}	
5-4-39		Size: 13		Cemented w	ith200	sx
		TOC: Surf	face	feet de	termined by	circ
	323	Hole size:	17-	1/4"		
Deepen to 5040	)   13"	Intermedia	te Casir	ng		
		Size: 9-5/	/8"_"	Cemented w	ith400	SX
		TOC: 1644	1	feet de	etermined by	calc
	_2950'	Hole Size:	12"	<u></u>		
	95/8"	Long Strin	g		200	
		Size: 7		Cemented v	vith <u>300</u>	sx
•	'	TOC: 1789	9	feet de	etermined by	calc
	_4570'	Hole Size:	8-3	/4"		
	> 7"	Total Dept	h: 49	42'		
·	14942' TD	Injection	Interva	<u>1</u>	:	
		457Q (perforate	d or on	feet to en-hole, in	SO40	feet
Tubing size	2 γ <sub>8</sub> —— lined with	JPC_				set in a
		packer at	(mater	ial) · 4520	feet.	•
(brand & mo	del) y other casing-tubin	g seal).	·			
Other Data						
1. Name of the	injection formation		SanAnd	l res	<del></del>	
2. Name of Fie	ld or Pool (If appli	cable) Lov	vington	San Andres		
	ew well drilled for what purpose was the			illed? Pr	oduction	
	l ever be perforated nd give plugging det					forated
5. Give the de (pools) in	pth to and name of a this area.	iny overlying	g and/or	underlyin	g oil or gas	zones
- ·	lerlying-Grayburg			•		

Greenhill Petr OPERATOR	oleum_Corporatio	on	Loving LEASE	ton San And	res Unit	
#19 WELL NO.	1980 FNL & 231 FOOTAGE LOCA		32 SEG.	T16S TOWNSHIP	R37E range	***************************************
Completed 1/5/46	319' 85'x" 21/3'	Surface Size: TOC: Hole si Interme Size: TOC: Hole S	Tue Casing  13 3/8 "  Surface  Lze:  ediate Cas  8 5/8 "  1193	Cemented feet d 17 1/4 sing Cemented feet d	with20 etermined b	y <u>calc</u>
Tubing size		TOC:	5 1/2 2982 ize: Depth: ion Interval	feet to open-hole, i	letermined b	feet lch)
(brand & model)		packer a	t		feet	•
(or describe any oth Other Data						·
1. Name of the inje						
2. Name of Field or	r Pool (If appli	cable)	<u>L</u>	ovington Sar	Andres	
3. Is this a new we If no, for what					Produc	ction
4. Has the well ever intervals and guised.		ail (sac	ks of cem	ent or brid	ge plug(s)	erforated
5. Give the depth		ny overl		•	ng oil or g	as zones
Uno	derlying - Grayb	urg	····	•		•

Texaco `	State "V"
OPERATOR	LEASE
•	
1 660' FW	L & 660' FNL 5 17S 37E
WELL NO. FOOTA	GE LOCATION SEC. TOWNSHIP RANGE
•	
•	m to to be been
	Tubular Data
Completed	
6-20-52	Surface Casing
,	12 2/9 250
	Size: 13-3/8 " Comented with 350. SX
	Cumfoot
	TOC: Surface feet determined by calc
.	17 1//1
	Hole size: 17-1/4"
5½" liner	
4803-11063	13 % Intermediate Casing
TOC 7010 f; le	3167
	Size: 8-5/8 " Cemented with 3000 SX
6-20-55	TOC: Surface feet determined by calc
Sqz liner from	
	Hole Size: 11"
66 48 - 6620 m 280 8x	480
TOC 5740	Long String
{ \ \	- 85/e
	$\mu_{48}$ Size: $5-1/2$ " Cemented with 732 SX
	liner behind intermediate
	TOC: feet determined by
	Hole Size: 7-7/8"
	ζ", Total Depth: 11,063'
. $ au$	0 11 0 6 3 Injection Interval
	Tillection rifeeriar
	feet to feet
,	(perforated or open-hole, indicate which)
•	(postorated of open-note; indicate which)
Tubing sizeline	ed with set in a
Tubing size rine	(material)
<del>-</del>	packer atfeet.
(brand & model)	packet ac
(or describe any other casing	ng-tubing seal).
(or describe any other cash	ig-tubing beat).
Other Data	•
Other Daca	
1. Name of the injection for	armation
1. Name of the injection for	JIMACION
	East Lovington (Penn)
2. Name of Field or Pool (	ir applicable)
	No No
3. Is this a new well dril	10d tor 101000100/
If no, for what purpose	was the well originally drilled? Production
4. Has the well ever be pe	rforated in any other zone(s)? List all such perforated
	ging detail (sacks of cement or bridge plug(s)
used.	• • • • • • • • • • • • • • • • • • •
5. Give the depth to and n	ame of any overlying and/or underlying oil or gas zones
(pools) in this area.	, , , , , , , , , , , , , , , , , , , ,
Above Abo	
ADOVE ADO	

#36 WELL NO		660 FNL & 204 FOOTAGE LOCAT		SEC.	<u>T17\$</u>	R37E		
WELL N	o.	FOOTAGE LOCAT	TION	SEG.				
		<del></del>			TOWNSHIP	RANGE		
·			· .	Tu	bular Data			
			Surface	Casing				
			Size:	13 - "	. Cemented	with	200	sx
			TOC:	Surface	feet	determined	by circu	ulatio
•			Hole si	ze:	14 3/4"	·		
	•	13"	Interme	diate Cas	ing			
ompleted			Size:	8 5/8 *	Cemented	l with	500 400	sx
9/12/39			TOC:	1774	feet	determined	by 50%	calc
kr. #1 /22/63		85%"	Hole Si	ze:	10 1/4			
kr. # 2			Long St	ring				
/25/79			Size:	5 1/2 ′	" Cemented	l with	200. 125	sx
,	PKG. #2[	51/2"	TOC: _	3127	feet	determined	by <u>80%</u>	calc
	PKC.#1	4540'	Hole Si	ze:	6 3/4"		•	•
		} == 10 ==1	Total D	epth:	4955'	·		
		17D 4955'	Injecti	on Inter	val	• .		
	•			540 ated or		o 4955 indicate w		eet .
Pkr. #1 Tubing size	2 3/8	lined with _	·	IP	С		set	ín a
•		on' I	-	(mat	erial)	feefee	st,	•
(brand &	model)	casing-tubing			Howco R-3	set @ 443!	5 <b>'</b> .	
ther Data	•	. •					•	
	the inject	tion formation		Sa	n Andres			
		Pool (If applic		•		n Andres		
		drilled for		,				
		urpose was the				<u>Pr</u>	oduction	<u> </u>
		be perforated plugging deta	ail (sacl	cs of cem				ted

Penroc		C. S. Caylor			
OPERATOR		LEASE			
3	660' FNL & 3393' FEL	6	175	37E	
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE	

#### Tubular Data

Completed 5-18-52

#### Surface Casing

Size: 13-3/8" Cemented with 300 SX

TOC: Surface feet determined by calc

13<sup>3</sup>/8" 286'

Hole size: 18"

### Intermediate Casing

Size: 8-5/8" Cemented with 800 SX

TOC: 849 feet determined by 50% calc

Hole size: 12-1/4"

85/8" 3300'

## Long String

Size: 5-1/2" Cemented with 800 SX

TOC: 4082 feet determined by 80% calc

Hole size: 7-7/8"

Total Depth: 8440'

TO 8440'

Injection Interval

- feet to -

(perforated or open-hole, indicate which)

Tubing size

lined with - set in a

packer

feet

at - feet. (Or describe any other casing-tubing seal).

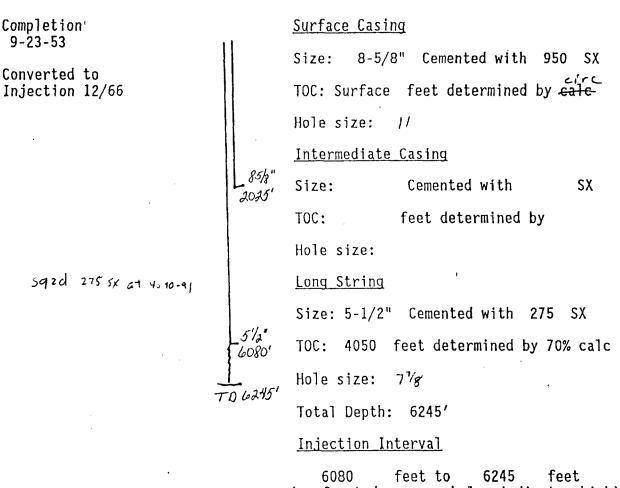
#### Other Data

- 1. Name of the injection formation:
- 2. Name of Field or Pool (If applicable) Lovington Abo
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.
- 5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

(Above) Drinkard

G	reenhill	Petroleum	Corporation	Lovington	Paddock	
-	OPERATOR			LEASE		
	#51	3540′	FEL & 480' FNL	6	178	37E
	WELL NO.	FO	OTAGE LOCATION	SEC.	TOWNSHIP	RANGE

## Tubular Data



(perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with IPC set in a

packer

at 5981 feet. (Or describe any other casing-tubing seal).

#### Other Data

1. Name of the injection formation:

<u>Paddock</u>

2. Name of Field or Pool (If applicable) Paddock

Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Above Glorieta

Greenhill OPERATOR	Petroleum Corporation	on Lovinton San Andres Unit LEASE
#34 WELL NO.		5 FWL 6 T17S R37E ATION SEC. TOWNSHIP RANGE
	2002	
		Tubular Data
	1	Surface Casing
•		Size: 13 " Cemented with 200 SX
		TOC: Surface feet determined by circulation
	.	lole size: 17-1/4 15
	.     13"	Intermediate Casing
		Size: 9 5/8 " Cemented with 500 SX
Completed 1/27/53		TOC: 1956 feet determined by 50% calc
Pkr. 7/10/63		Nole Size: 12"
Pkr. 6/14/72	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
		Size: 7 " Cemented with 200 SX
	PKr.#	TOC: 3264 feet determined by 80% calc
٠.	PKr.#1	Nole Size: 8 3/4"
	-452 <i>i</i>	•
	1950	O Injection Interval
•	TD	4521 feet to 4950 feet (perforated or open-hole, indicate which)
Packer #1 Tubing size	2" lined with	IPC set in a (material)
Rako	"A" Poncion	(material)
(orang or m	oner) .	packer at 4498 feet.
(or describe a  Other Data	ny other casing-tubin	ng seal). Packer #2 - 2 3/8" plastic lined tbg. set in a 7" Guiberson Packer @ 4470'.
	e injection formation	n San Andres
•		icable) Lovington San Andres
	new well drilled for what purpose was th	injection? No Production Production
intervals used.		d in any other zone(s)? List all such perforated tail (sacks of cement or bridge plug(s)
5. Give the d	epth to and name of	any overlying and/or underlying oil or gas zones

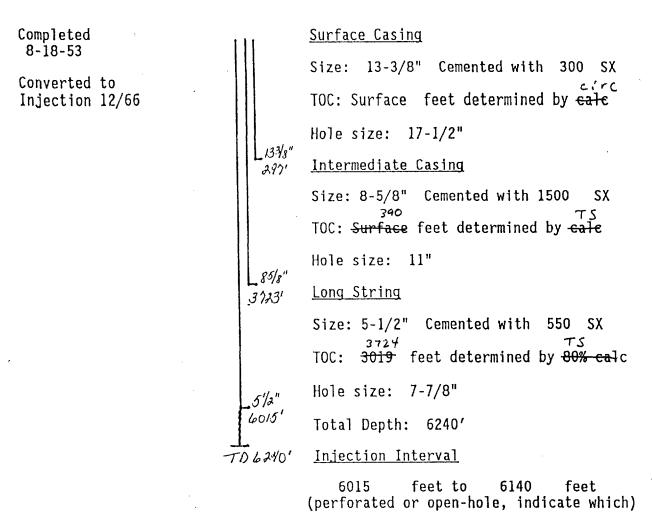
Underlying - Grayburg

Amerada Hess	•	State L	"A"	
OPERATOR		LEASE		
8	560' FNL & 660' FEL	. 1	175	36E
WELL NO.	FOOTAGE LOCATION	SEC. TOWN	SHIP RANG	3E
	· · · · · · · · · · · · · · · · · · ·			
		Tubular	Data	
pleted 3-52	Surface	Casing		
J <b>-</b> J2	Size: 1	3-3/8 ". Come	ented with _	225 · SX
	TOC: Su	rface :	Eest determi	ned by calc
,		ze: <u>17-1/2"</u>		
	280			
	[.]	diate Casing		
	Size:	8-5/8 " Cem	ented with_	1000 SX
		3063	feet determi	ned by <u>50% cal</u>
·	1 8 % Hole Si	ze: 11"		
	Long St	ring		4
	Size:	5-1/2 " Cem	ented with _	SX
	. TOC:	4975	feet determi	lned by temps
				· · · · · · · · ·
	note si	ze: <u>7-7/8"</u>	•	
	8430 Total I	Depth: 8430'		
	<u> Inject</u>	on Interval	•	
	<del></del>		et to	- feet
		cated or open-h	ole, indica	
Tubing size	_ lined with'	(material)		set in a
(brand & model)	packer a		<u> </u>	_feet.
(or describe any other	casing-tubing seal).		. ,	
Other Data	. <b>.</b>			
1. Name of the inject	ion formation			
		Lovington Abo	•	;
•.	oo't til applicable)	, No		•
	drilled for injection rpose was the well or		Produc	tion
	be perforated in any plugging detail (sac			
5. Give the depth to (pools) in this ar		ying and/or un	derlying oil	or gas zones
Above Drink	•			

Greenhill Petr	roleum Corporation	n Loving LEASE	ton San Andr	es Unit
#33 WELL NO.	660 FNL & 660 FOOTAGE LOCAT		T17S TOWNSHIP	R36E RANGE
		Tu	bular Data	
		Surface Casing		
	111	Size:13	Comented v	vith <u>200</u> sy
		TOC: 94	feet de	stermined by 70% cal
		Nole size:	17 1/4"	
	13"	Intermediate Cas		
Completed				with
10/15/39		<u> </u>		etermined by 70% cal
,	85/8"	Hole Size:		
	31091	Long String		
		_	7 Comontad	with
•				
	51/2"			etermined by 70% cal
	\- 4591'	Hole Size:	7 7/8"	· ·
, .	17D 49001	Total Depth:	4900'	
	•	Injection Inter	val.	•
		(perforated or	feet to open-hole, i	ndicate which)
Tubing size	lined with _			set in a
		eacker at	erial)	feet.
(brand & model) (or describe any ot		g seal).		
Other Data	. •			
1. Name of the in	ection formation			
	or Pool (If applic	•		
,	•			•
	well drilled for i t purpose was the			Production.
	ver be perforated give plugging deta			all such perforated se plug(s)
5. Give the depth (pools) in this		ny overlying and/	or underlyin	ng oil or gas zones
Under	rlying-Grayburg		,	

	Greenhill P	etroleum Corporation	Lovington	Paddock	
_	OPERATOR		LEASE		
	#49	760 FNL : 660 FEL	1	178	36E
	WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

### Tubular Data



Tubing size 2-3/8" lined with IPC set in a

packer

at 5921 feet. (Or describe any other casing-tubing seal).

#### Other Data

1. Name of the injection formation:

No

<u>Paddock</u>

- 2. Name of Field or Pool (If applicable) Paddock
- 3. Is this a new well drilled for Injection? No
  If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Above Glorieta

	Amerada Hess	·	State L "A"		
•	OPERATOR		LEASE		
	9	660' FNL & 188	30' FEL	1 17S	36E
	WELL NO.	FOOTAGE LOCA		TOWNSHIP RANG	<del></del>
	,		T	ubular Data	
1			Surface Casing		
1ete 24-52				" Cemented with	225 sx
				feet determin	
	•	.	Hole size:		
		13%	Intermediate Ca		
				" Cemented with	1500 s
			·	feet determin	
			Hole Size: 11"		
·		25/8	Long String		
		3748'		" Cemented with	600 S.
	•		TOC: 5597		ned by temp su
•		·	Hole Size:		1
		54	Total Depth:	•	
		8335	•.*		
		τ0	Injection Inter		· - •
			(perforated or	feet to open-hole, indicat	e which)
Tul	bing size	lined with		_	set in s
		<del>-</del> .	(ma packer at	terial <u>)</u>	feet.
	(brand & mode)	L)			1886,
(or	describe any o	other casing-tubin	g seal).		
<u>Oth</u>	er Data			•	
1.	Name of the in	njection formation			
2.	Name of Field	or Pool (If appli	cable) Loving	ton <b>Abo</b>	÷
		•	No.		•
3.		well drilled for at purpose was the	injection?	drilled? Product	ion
4.				ne(s)? List all su ment or bridge plug	
					<del></del>
			•		•
5.	Give the depth (pools) in th		ny overlying and	or underlying oil	or gas zones

OPERA		on San Andres Unit
#32	660 FNL & 1980 FEL 1	T17SR36E
WELL		TOWNSHIP RANGE
		·
···		
	Tub	ular Data
	Surface Casing	
	Size: 10 3/4 "	Cemented with 180 SX
	TOC: Surface	feet determined by circulation
	llole size:	3/4
	1303 Intermediate Casi	ing
	10 <sup>3</sup> /γ". Size: 7 5/8 "	Cemented with 265 SX
Completed 1/1/40		feet determined by 50% calc
•	liole Size: 9	18
	L3099'   75/9" Long String	
		Cemented with 200 SX
	4548'\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	feet determined by 80% calc
	Hole Size:	6.3/4"
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	4900'
	1900' Injection Interv	<u>al</u>
	TD 4589	feet to 4900 feet
	(perforated or o	pen-hole, indicate which)
Tubing si	ize 2 3/8" lined with IPC (mate	set in a
Bake	er "A" Pension packer at 454	rial) 8feet.
(brand	id & model) ibe any other casing-tubing seal).	2000,
Other Data		
		n Andrea
1. Name o		n Andres
2. Name o	of Field or Pool (If applicable) Lo	vington San Andres
	is a new well drilled for injection? No No No For what purpose was the well originally d	
	NI .	
5. Give t	the depth to and name of any overlying and/o	or underlying oil or gas zones
· (Poors		
	Underlying - Grayburg	

Greenhill Pe	troleum Corporation	Lovington	Paddock	
OPERATOR		LEASE		
#47	1930' FWL & 660' FNL	1	178	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

## Tubular Data

Completed Surface Casing 9-04-54 1200 Size: 8-5/8" Cemented with 1000 SX TOC: Surface feet determined by calc Hole size: Intermediate Casing 85/8" Cemented with SX 2041' Size: TOC: feet determined by Hole size: Long String 300 Size: 5-1/2" Cemented with 182 SX 5/2" feet determined by 80% calc 60451 <del>5053</del> Hole size: 7-7/8" TO 6221' Total Depth: 6221' Injection Interval 6221 feet to (perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with IPC set in a

packer

at 5957 feet. (Or describe any other casing-tubing seal).

## Other Data

1. Name of the injection formation:

No

- Paddock
- Name of Field or Pool (If applicable) Paddock
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? <u>Production</u>
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Above Glorieta

Penroc		State "E	TR 18	
OPERATOR		LEASE		
23	880' FNL & 790' FWL	1	17\$	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

## Tubular Data

Completed 3-17-73

### Surface Casing

Size: 11-3/4" Cemented with 635 SX
TOC: Surface feet determined by calc

Hole size: 17-1/2"

336' <u>Intermediate Casing</u>

Size: 8-5/8" Cemented with 2800 SX

TOC: Surface feet determined by calc

85/8: Hole size: 11"

Long String

Size: 5-1/2" Cemented with 1000 SX

TOC: 2908 feet determined by 80% calc

Hole size: 7-7/8"

5/2" Total Depth: 8450'

To 8450' Injection Interval

- feet to - feet
(perforated or open-hole, indicate which)

packer

Tubing size - lined with - set in a -

at - feet. (Or describe any other casing-tubing seal).

#### Other Data

- 1. Name of the injection formation:
- 2. Name of Field or Pool (If applicable) Lovington Abo
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.
- 5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

(Above) Drinkard

	troleum Corporatio		ton San Andres		
OPERATOR		LEASE			
#30 WELL NO.	660 FNL & 660 FOOTAGE LOCAT		T17S TOWNSHIP	R36E RANGE	
WELL NO.	FOOTINGE FOCK	tion 3Eo.	TOMNSMIE	MUIGE	
		Ty	ıbular Data	MI 4	
	9	Surface Casing			
		Size: 13 · ^	Cemented wit	:h <u>200</u> s	ж
		TOC: Surface	feet dete	ermined by circula	tio
·	.]]]	Hole size:		•	. خانستان
	13"	Intermediate Cas		· ·	
		Size: 8 5/8		 <b>≿h</b> 500 <b>\$</b>	
Completed					•
12/2/39		TOC: 1597	feet dete	ermined by 50% cal	<u>C_</u>
	3129'	Hole Size:	12"		
·	8 5/8"	Long String			
	.	Size: 5 1/2	" Cemented wi	th5	SX
•		TOC: 2910	feet det	ermined by 80% ca	ılc
		Hole Size:	7 7/8 "	•	
·	4543	Total Depth:	•		
	77/8"	Injection Inter		• .	
	14970'	4543	feet to	4970 <b>feet</b>	
	TD	(perforated or			• .
Tubing size 2"	lined with _			set in	a
Baker Model	A p		erial) 4485	feet.	
(brand & model)	•			-	
Other Data		,, .			
•			Com Andria		
1. Name of the in			· ·		
2. Name of Field	or Pool (If applic	cable) Lov	vington San And	ires	
	well drilled for i t purpose was the			roduction	
	ver be perforated give plugging deta		ent or bridge		L
5. Give the depth	to and name of ar	•	•	oil or was zones	
(pools) in this		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		Gan woulds	

Greenhill Pet	roleum Corporation	Lovington	Paddock	
OPERATOR		LEASE		
#45	660' FNL & 330' FWL	2	178	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

### Tubular Data

Completed 2-9-55

Converted to Injection 12/66

## Surface Casing

8-5/8" Cemented with 1350 SX Size:

TOC: Surface feet determined by calc

12/2 Hole size:

85/8" 2053' Intermediate Casing

Cemented with

SX

TOC:

Size:

feet determined by

Hole size:

Long String

Size: 5-1/2" Cemented with 350 SX

TOC: 3865 feet determined by 80% calc

Hole size: 7-7/8"

TO 6235'

6111

Total Depth: 6235'

## Injection Interval

feet feet to 6235 6111 (perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with IPC set in a

packer

at 6090 feet. (Or describe any other casing-tubing seal).

#### Other Data

1. Name of the injection formation:

Paddock

2. Name of Field or Pool (If applicable) Paddock

Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production

Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

No

Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Above Glorieta

Greenhill Pet OPERATOR	troleum Corporation Lovington San Andres Unit LEASE
#29 WELL NO.	660 FNL & 660 FEL 2 T17S R36E FOOTAGE LOCATION SEC. TOWNSHIP RANGE
	Tubular Data
	Surface Casing
	Size: 13 " Cemented with 215 SX
	TOC: Surface feet determined by calc
	Hole size: 17"
	264 Intermediate Casing
Completed	Size: 8 5/8 " Cemented with 600 SX
1/21/42	TOC: 218 feet determined by 50% calc
	Hole Size: 11"
	Long String
	85/2" Size: 5 1/2 " Cemented with 380 SX
	TOC: 2518 feet determined by 80% calc
	Hole Size: 7 7/8"
	4590' Total Depth: 4980'
	{ 77/8" Injection Interval
	14980' feet to feet
	(perforated or open-hole, indicate which)
Tubing size	lined with set in a (material)
(brand & model)	packer atfeet.
•	ther casing-tubing seal).
Other Data	
1. Name of the inj	ection formation
2. Name of Field	or Pool (If applicable) Lovington San Andres
	well drilled for injection? No t purpose was the well originally drilled? Production
	ver be perforated in any other zone(s)? List all such perforated give plugging detail (sacks of cement or bridge plug(s)
5. Give the depth (pools) in this	to and name of any overlying and/or underlying oil or gas zones
<u>Underly</u>	ing - Grayburg

Penroc OPERATOR  21 WELL NO. Completed	660' FNL & 165		LEASE 2	175	36E	
WELL NO.			. 2	17S	36E	
WELL NO.					304	
ompleted			SEC.	TOWNSHIP	RANGE	
ompleted						
completed						
ompleted			Tul	bular Data		
	111	Surface	Casing	•	•	
11-9-53			_	Comembed	`	,
Converted to	133/8			•,	with	
SWD 3-9-79	269'	TOC:s	urface	feet	determined by	calc
Deepened to		Nole siz	e: 17-1	/2"		
3987 <b>'</b> 3 <b>-</b> 9-79	.			•		•
•		Intermed	late Gas	ing		
		Size: 9	<u>-5/8</u> "	Cemented	with300	SX
		TOC:		feet	determined by	,
	45/8				_	•
	3300	Hole Siz	e: <u>12</u>	!-1/4"	•	
•		Long Str	ing			ma and the
7" csg. sqzd w/		Size	7 "	' Cemented	τςς I with550	to perlife
600 sx at 4722						
· TOC 3375 by TS		TOC:3	375	feet	determined by	f <u>temp</u> s
		Hole Siz	:e: 8	3-3/4"		•
	7" 8391					,
	£ +D	Total De	opth: 8	3470'		
, ,	3470	Injection	n Inter	val	•	
	L TO 8987	8391		· E	- 0007	£
					8987 indicate which	feet ch)
2 1/	20 - 4 - 4 - 4 - 4	•		•	• •	·
Tubing size 2-1/2	lined with	IPC	(mate	erial)	,	set in a
	·	packer at		3378	feet.	
(brand & model) (or describe any other	ar casing-tubin	у ява1).				
or deportable any con-		5 2002/1		•	•	
Other Data						
L. Name of the injection	ction formation	Abo			•	
			Lovinete	n Aba		:
2. Name of Field or	root (It appli	cable) _	roving co	M ADO		
3. Is this a new we				drillod2	Production	
If no, for what	harhase was rue	MRIT OLI	Ringry	or TTTAM!		
4. Has the well ever intervals and gi- used.						rforated
	· · · · · · · · · · · · · · · · · · ·					

Above Drinkard

	Green! OPERA		Petrole	um Co	rpor	ation			oving ASE	ton San A	ndres Uni	t	·····
												_	
<del>,</del> _	#39 WELL	NO.	<del> </del>			& 610 LOCATI			6 .c.	T17S TOWNSHIP	R37E		
	#DDD /			7007	111011	LOUILI	.011			LONLIDALLA	<u> </u>	•	
		•					· · · · · · · · · · · · · · · · · · ·		Tub	ular Date	· · · · · · · · · · · · · · · · · · ·		
						5	Surfo	ce Cas	ng		. •		
							Size:	13	. "	Cemente	with	200	sx
							roc:	Surf	ace	feet	determin	ed by c	<u>irculati</u> o
						,	lo1a	size;		15"	·····		
						L2971	Inter	cmediat	e Casi	Ing		•	
Comp	oleted					1211				Cemente	d with	500	SX
10/2	28/39					,	TOC:	15	36	feet	determin	ed by 5	0% calc
				•			llo1e	Size:		12"	·		•
			•		1	3139' } <sup>5</sup> / <b>s</b> "	Long	String					•
						. ,.	Size	:		Cemente	d with	200	sx
					}		TOC:		3265	feet	determin	ed by §	30% calc
		•	·•	•	-	522 '	Hole	Size:		8 3/4			
					{	<i>,</i> .				4945	•		
					.}				•	<u>n1</u>		•	
			•	•		כר		4522	•	_ feet t	:o <u>497</u>		
		•			• •		(per	forated	loro	pen-hole,	indicate	which	)
Tub	ing si	ze	23/8	11r	ed r	vith _		IPC	· · · · · · · · · · · · · · · · · · ·			5	et in a
		• •		•		pa	cker	at		rial) 570		Eeet.	•
(or	(brand descri		del) y other										
Othe	r Data		•	•						·			
1.	Name o	E the	inject	tion i	Eorma	ation	· ·		San	Andres			
2.	Name o	f Fie	ld or l	Pool (	(If a	applica	able)		Lov	ington Sa	n Andres		
3.								ion?		irilled?	P <sub>1</sub>	roducti	on
t.	·		_	-					•	(s)? Li			
4.	intervused.	als a								ant or br			VLateu
5.	Give t			and i	name	of an	y ove	erlying	and/c	or underly	ying oil	or gas	zones
			this a							•		G	
•		·	<u>Underl</u>	ying	- Gr	ayburg							

OPERATOR			LEASE	ton San And		ı
#40	1980 FNL & 6	60 FFI	. 1	T17S	R36E	
WELL NO.	FOOTAGE LOCA		SEC.	TOWNSHIP	RANGE	
						,
			m.	bular Data		
				Aurar Kara	•	
	f 1.1	Surfaco	Casing			180
		Size:	<u>13 · "</u>	Comented	with	<u>100                                   </u>
		TOC.	Surface	· feet d	letermined	by circulat
•		,	•			- /
		llola si	ze;	17 1/4"		•
	3131	Interme	diate Cas	Ţús	•	250
mpleted	13"	Size:	8 5/87	Cemented	with	
2/ <b>4</b> /39		TOC:	1050	feet	determined	by calc s
				•		,
		Hole Si	.ze:	11"		
·		Long St	ring			260 + 50
,	\ \ \ 3091' \ \ \ 85/8''	Size:	5 1/2	Cemented	with	300 s
	8 - 7 8	TOC.	3680	feet	determined	by calc s
•				·:	000011111100	. "J <u>care r</u>
v		Hole Si	ze:	7 7/8"	·	
1	4579'	Total I	epth: _	4950'		
	51/2"	Injecti	lon Inter	val .	• .	
	1 4950'	45		feet to	4950	— foot
				open-hole,		
Tubing size 2	3/8 lined with	TPC		• • • •	_	set in a
		•	•	erial)	:	<del></del>
(brand & model		packer a	t <u>4519</u>	<u> </u>	fee	it.
	ther casing-tubin	ng soal).		•		•
ther Data					•	
Name of the in	jection formation	,	San	Andres	•	
, Hame Or che in	ij ectivit Tormation	•		•		·
. Name of Field	or Pool (If appli	Lcable)	Lovi	ngton San A	Indres	·
. Is this a new	well drilled for	injectio	n? <u>N</u>	0	• . •	
If no, for who	it purpose was the	well or	iginally	drilled? _	Product	ion ·
	ever be perforated give plugging det					
· No			•			

G		roleum Corp.	Louington Paddock
•	OPERATOR		LEASE
	85	1590 FWL 1 14	417 FNL Sec. 1 T175-R36E
	WELL NO.	FOOTAGE LOCA	CATION SEC. TOWNSHIP RANGE
	•	•	Tubular Data
	٠٠,		
		111	Surface Casing
			Size: /3 1/4 ". Comented with 5.00 SX
			TOC: feet determined by calc
,		1378	liole size; // /2_
		349	Intermediate Casing
	·		Size: 85/8 " Cemented with 900 SI
			TOC: 201 feet determined by 50% ca
		L 85%	Hole Size: //
			Long String
			Size: 5 1/2 " Cemented with 1230 S
•		= 5 12 63	TOC: Suface feet determined by 80% cc
		6 400	Hole Size: 77/8
			Total Depth: 6400
	. ,	•	Injection Interval
			(perforated or open-hole, indicate which)
Tube		•	_
TUDI		lined with	(material)
· <del></del> ,	brand & mode	11	packer atfeet.
		other casing-tubir	ing seal).
Other	: Data		
		uination Engwatic	
		njection formation	
2. N	lame of Field	or Pool (If appl	licable) Louington Paddock
3. 1	s this a new If no, for wh	well drilled for at purpose was the	r injection? <u>No</u> he well originally drilled? <u>production</u>
4. 1	las the well	ever be perforate	ed in any other zone(s)? List all such perforated stail (sacks of cement or bridge plug(s)
	Give the dept (pools) in th		any overlying and/or underlying oil or gas zones
		(above) Glor	ricta

	Greenhil OPERATOR	1 Petroleum Corporat	ion	Lovingt LEASE	on San Andr	es Unit	······································
	#57 WELL NO.	660 FSL & 6	60 FWL	<sup>.</sup> 36	T16S TOWNSHIP	R36E RANGE	. 1 .
							,
		•		Tub	ular Data	•	
		1111	Surfac	o Casing			
			Size:_	13 "	Cemented v	ith200	sx
			TOC:	Surface	feet de	stermined by	<u>circulati</u> on
			llole s	ize:	17"		. ,
		1 1 -	•	mediate Cas	ing	٠	
	npleted	13'	Size:	9 5/8 "	Comented 1	with200	sx
. 8	3/25/39		TOC:	1509	feet d	etermined by	7 <u>0% calc</u>
5	epened 5144'		. Hole	Size:	12 1/4 "		
1	11/86	2030	Long	String		•	•
		95/9	Size:	7 ″	Cemented	with250	SX
,			TOC:	3266	feet d	etermined by	770% calc
٠	•		, Nola	Size:	8 3/4"	······································	
•	1	4640	, ,		5144'		
		14980 TO	ı <u>Injec</u>	tion Interv	al .		• *
		£ 5144'	40 (perf	640 orated or o	feet to	5144 ndicate which	ch)
Tul	bing size .	2 1/8 lined wit	h		IPO		set in a
	WATER	ood tension	_ packer	at	(620	feet.	
(or	(brand & r	nodel) any other casing-tub	•	+			
<u>Oth</u>	er Data						
1.	Name of t	he injection formati	on	Sar	Andres		
2.	•	ield or Pool (If app	•		,	Andres	·
3.	Is this a	new well drilled for what purpose was t	r injecti	Lon?	lo .	•	
4.		ell ever be perforate and give plugging o	letail (s		ent or brid		rforated
5.		depth to and name of n this area.				ng oil or ga	S zones
•		Underlying - Graybur	·g				

Greenhill P OPERATOR	etroleum Corporation	LEASE Lovington San Andres				
#44 WELL NO.	1980' FNL & 660' F					
		Tubular Data				
Completed	1 1 .	Surface Casing				
8-31-41		Size: 13 " Cemented with 210 SX				
		TOC: Surface feet determined by calc				
		Hole size:				
		Intermediate Casing				
	La51'	Size: 8-5/8 " Cemented with 600 SX				
		TOC: 212 feet determined by calc				
		Hole Size:11"				
	2050′	Long String				
	8 5/8"	Size: 5-1/2 " Cemented with 400 SX				
	4558	TOC: 2377 feet determined by calc				
	{ 5'/2'	Hole Size: 7-7/8"				
	. {	Total Depth: 4990'				
	14990° TD	Injection Interval				
	10	feet to feet (perforated or open-hole, indicate which)				
Tubing size	lined with	set in a				
Tubing Size		(material)				
(brand & mo	del)	packer atfeet.				
(or describe an	y other casing-tubin	g seal).				
Other Data						
1. Name of the	injection formation	San Andres				
2. Name of Fie	ld or Pool (If appli	cable) Lovington San Andres				
	ew well drilled for what purpose was the	injection? No Production well originally drilled?				
		I in any other zone(s)? List all such perforated ail (sacks of cement or bridge plug(s)				
5. Give the de (pools) in	· .	any overlying and/or underlying oil or gas zones				
Und	erlying-Grayburg	Ţ				

	Greenhill	Petroleum	Corporation	Lovington	Paddock	
	OPERATOR			LEASE		
	#61	990′	FWL & 2310' FNL	1	17S	36E
_	WELL NO.	F00	TAGE LOCATION	SEC.	TOWNSHIP	RANGE

#### Tubular Data

Surface Casing 8-5/8" Cemented with 1000 SX Size: TOC: Surface feet determined by calc Hole size: Intermediate Casing 85/8" Cemented with SX Size: 20391 TOC: feet determined by Hole size: Long String Size: 5-1/2" Cemented with 220 SX 5/27 6080' feet determined by 80% calc TO 4220' Hole size: 7-7/8" Total Depth: 6220' Injection Interval feet to 6220

...

packer

at 6045 feet. (Or describe any other casing-tubing seal).

#### Other Data

1. Name of the injection formation:

Tubing size 2-3/8" lined with IPC set in a

<u>Paddock</u>

(perforated or open-hole, indicate which)

- 2. Name of Field or Pool (If applicable) Paddock
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? <u>Production</u>
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Above Glorieta

Greenhill Pet OPERATOR	troleum Corporation	-	Lovingto LEASE	on San Andre	·\$	
#42	1980' FNL & 1980	O' FWL	1			····
WELL NO.	FOOTAGE LOCA	TION	SEC.	TOWNSHIP	RANGE	•
			Tu	bular Data	***************************************	
1		Surfac	e Casing			
ompleted 4-1-39	111	Size:_	13	Cemented v	vith200_	sx
			•		etermined by	
				7-1/4"		
			nediate Cas			
	Lagg!				with <u>535</u>	SX
					etermined by	
		-		2"	-	<u></u>
	3095'	Long S	<del></del>	=		
	95/8"			' Comented :	with300	C V
		<del></del>				
					etermined by	·
	4536			-3/4"		
	} "	Total	Depth:	4938		
	14938'	Injec	tion Interv	val.		
	TO	(perf	orated or o	feet to pen-hole, i	ndicate whic	h) feet
Tubing size	lined with					set in a
•	<b></b>	packer		erial) -	feet.	
(brand & mode (or describe any	el) other casing-tubin					'
Other Data	٠					
1. Name of the i	injection formation		San A	ndres	**************	
2. Name of Field	i or Pool (If appli	cable)	Lovinato	n San Andres		
3. Is this a new	w well drilled for nat purpose was the	injecti	on? No			
	ever be perforated i give plugging det	ail (sa		ent or bridg		forated
5. Give the dept (pools) in the	th to and name of a				ng oil or gas	zones
· ·	rlying-Grayburg					

	Amerada OPERATOR		State L "A"  LEASE						
	11 WELL NO.	1650	' FNL & 1980' FEL 1 17S FOOTAGE LOCATION SEC. TOWNSHIP	36E RANGE					
	HADD NO.		July 2011 101 112						
<u> </u>			Tubular Data						
			Surface Casing	•					
mplete	d		Sizo: 13-3/8 " Comented w	ith <u>250</u> sx					
-4-53			TOC: Surface feet de	termined by calc					
			Hole size: 17-1/2"	,					
			133/8 Intermediate Casing						
			Size: 8-5/8 " Cemented w	rith 1500 SX					
·			TOC: Surface feet de	TS					
				cermined by eare					
			Hole Size: 11"						
			3750						
			Size: 5-1/2 " Cemented v	with 600 SX					
•	•		TOC: 4908 feet de	stermined by temp sur					
			Hole Size: 7-7/8"	· · ·					
			5½   Total Depth: 8440'	·					
			Injection Interval	•					
			\$440 feet to feet to feet to						
Tul	ing size	_	lined with	set in a					
	.–		(material) packer at	feet.					
·	(brand &		•						
		any other	casing-tubing seal).						
Othe	er Data								
1.	Name of t	he injecti	on formation						
2.	Name of I	ield or Po	ol (If applicable) Lovington Abo						
3.			drilled for injection? No pose was the well originally drilled?	roduction					
4.			e perforated in any other zone(s)? List plugging detail (sacks of cement or bridg						
5.		depth to a	nd name of any overlying and/or underlying.	ng oil or gas zones					
	••		rinkard	• . •					

OPERATOR	troleum Corporation	*	LEASE	on San Andre	25	
#41	1980'FNL & 1980	). N. EEL :	.1	170	265	
WELL NO.	FOOTAGE LOCA		SEC.	17S TOWNSHIP	36E RANGE	
,						
			<u>Tu</u>	bular Data	•	
	1 1 1	Surface	Casing			,
ompleted 9-22-39		Size: 1	3 "	Cemented v	with250	sx
		TOC: S	urface	feet d	etermined by	calc
		Hole si	ze:	17-1/4"		
		Intermed	diate Cas	ing		
	L314'	Size: 8	-5/8" ~	Cemented	with 250	sx
		TOC: 2	332	feet d	etermined by	calc
		Hole Si	ze:	11"		
		Long St	ring			
	23100 ' 978"	Size:	5-1/2 ^	' Cemented	with	S
		тос: _3	501	feet d	etermined by	calc_
		Hole Si	ze:	7-7/8"	· · ·	•
	- Lysqa', 5/2"		epth:		·	
·			on Inter			
	1 4903' TD		_	feet to	_	feet
		(perfor	ated or	<del></del>	ndicate which	<del></del>
Tubing size	lined with					set in a
	•	naalsaw at		erial)	feet.	
· (brand & mode	el)	packer at	<u> </u>		teet.	
(or describe any	other casing-tubing	g seal).				
Other Data			•			
1. Name of the	injection formation		San A	Andres		
2. Name of Field	d or Pool (If applie	cable) _	Lovingto	on San Andre	S	
	w well drilled for that purpose was the			drilled? P	roduction	
	ever be perforated d give plugging det	-			-	rforated
			,			
5. Give the dep (pools) in t	th to and name of a his area,	ny overly	ing and/	or underlyin	ng oil or ga	s zones
Unde	erlying-Grayburg					

PENROC '	State	"E' TR 1	8	
OPERATOR	LEAS		170	067
17	1650' FNL & 2310' FWL	1	178	36E
WELL NO.	FOOTAGE LOCATION SEC.	TOWN	SHIP RANG	Ε
			·	
		4		
		Tubular	Data	
	Surface Casing	g		•
	Size: 13-3/8			75 . sx
	Size:	Ceme	nted with	·
•	TOC: Surfac	ce f	eet determin	ed by <u>calc</u>
	Hole size:	17-1/2"		•
	Tiole size.	-, -, -		
•	Intermediate	Casing		
	$\frac{13^{1/8}}{274}$ Size: $9-5/8$	" Ceme	nted with	300 SX
	1550		•	TC
	Toc: <u>-2316-</u>	f	eet determin	ed by 50% ealc
	Hole Size: _	12-1/4"		
	Jan Garden			1
	Long String			+ 500 perlite
	9 1/8 Size: 7	Ceme	ented with	500 SX
•	3296 TOC: 5175		Feet determi	ned by Temp S
•				· · · · · · · · · · · · · · · · · · ·
	Hole Size:	8-3/4"		,
	Total Depth:	8506	•	
	\$506			
•	Injection In	terval	•	
	· _	fe	et to	- feet
•	(perforated	or open-h	ole, indicat	e which)
ıbing size	lined with()	<u>.</u>		set in a
ming size	Titled with	material)		BOC III A
	packer at	<del></del> '		feet.
(brand & model) r describe any other	casing-tubing seal).			
			·	
ner Data				
Name of the inject	ion formation		•	·
	1 (75 1, 11 ) Lov	ington Ab	0.	÷
Name of Field of P	ool (If applicable) Lov		·	
	griffed for ruleccious	o .	, Th_ 1	
If no, for what pu	rpose was the well original	ly drille	d? Produc	tion .
llas the well ever	be perforated in any other plugging detail (sacks of			
intervals and give used.		•		•

Above Drinkard

packer

Gree	nhill	Petroleum	Corporation		Lovington	Paddock	
OPE	RATOR	<u> </u>			LEASE		
#	59	1650′	FNL & 1980'	FEL	1	175	36E
WEL	L NO.	FO	OTAGE LOCATIO	N	SEC.	TOWNSHIP	RANGE

## Tubular Data

Completed Surface Casing 10-19-53 Size: 13-3/8" Cemented with 300 SX Converted to Injection 9-73 TOC: Surface feet determined by calc Hole size: 17/2 2971 Intermediate Casing Size: 8-5/8" Cemented with 1500 SX TOC: Surface feet determined by calc Hole size: // 85/1" Long String 3235 Size: 5-1/2" Cemented with TOC: 3854 feet determined by 80% calc Hole size: 7-7/8" 5/2" Total Depth: 6235 6050 Injection Interval TO 6235' 6050 feet to 6235 feet

(perforated or open-hole, indicate which) 3" Tubing size lined with IPC set in a

at 5991 feet. (Or describe any other casing-tubing seal).

#### Other Data

- Name of the injection formation: <u>Paddock</u>
- Name of Field or Pool (If applicable) <u>Paddock</u>
- Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Above Glorieta

Amerada ness	·		State	L''A''		
OPERATOR	_ ,		LEASE			
10	1650' FNL & 66		. 1	178		
WELL NO.	FOOTAGE LOCA	TION	SEC.	TOWNSHIP	RANGE	
					<del></del>	
			Tub	ular Data	•	•
Completed	111	Surface	Casing	<b>.</b>		
11-7-52		Size: 1	3-3/8 "	Cemented w	Lth 225,	sx
		TOC: S	urface:	feet de	termined by	calc
	133/8	Hole siz	ze: <u>17-1</u>	/2"	·	
	298'		liate Casi			
				Cemented w	1th 1500	SX
			1346	•	•	T (
	85/8				termined by	earc
	3749	Hole Si	ze: 11"		·,	
		Long St	ring		•	•
		Size:	5-1/2 "	Cemented w	1th <u>600</u>	SX
	-14	TOC:	4972	feet de	termined by	temp sur
	- 5 <sup>1</sup> / <sub>2</sub> 8334	Hole Si	ze: 7-7/8	8"		
	L 8435	Total D		8435	•	
•	T0		on Interv	n 1	•	
		Atticcca	-		. —	£4·
	•	(perfor	ated or o	feet to pen-hole, in	dicate which	_ feet; )
Tubing size	lined with		<u>-</u>		<b>5</b>	et in a
. <del>-</del>		packer at	` _	rial)	feet.	
(brand & model) (or describe any oth						
•	ion casting casti	.g scary.				
Other Data						
1. Name of the inje	action formation	1	T		· <del></del>	· <del> </del>
2. Name of Field of	r Pool (If appli	lcable)	Lovingi	ton Abo		and the same
3. Is this a new we If no, for what	ell drilled for purpose was the	injection well or	n? <u>No</u> Iginally o	irilled?	Production	
4. Has the well evintervals and gused.	er be perforated ive plugging de					iorated
	<del> </del>	······································				
5. Give the depth (pools) in this		any overly	ying and/o	or underlyin	g oil or gas	zones
Ab	ove Drinkard	•		•		

	Greenhill I	Petroleum Corporation	Lovington	Paddock	
_	OPERATOR		LEASE		
	#58	1980' FNL & 560' FEL	1	175	36E
- Artirura	WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

#### Tubular Data

Spud Date 10-53

## Surface Casing

Size: 13-3/8" Cemented with 300 SX
TOC: Surface feet determined by cale

133/8" Hole size: 17 ½ 297' Intermediate Casing

Size: 8-5/8" Cemented with 1500 SX

TOC: 588 feet determined by temp survey

ره المراه الم

Long String

Size: 5-1/2" Cemented with 500 SX

TOC: 3795 feet determined by temp survey

Hole size: 7 1/8

Total Depth: 6235

TO 6235' In

6065

<u>Injection Interval</u>

- feet to - feet (perforated or open-hole, indicate which)

Tubing size - lined with - set in a

packer

at - feet. (Or describe any other casing-tubing seal).

## Other Data

- 1. Name of the injection formation:
- Name of Field or Pool (If applicable) <u>Paddock</u>
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

No

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

	Greenhill	Petroleum Corporat	ion	Lovi	ngton Paddoc	k	
•	OPERATOR			LEASE			
	# 57	1980' & 695' FE	L	· 6	17S	37E	
	WELL NO.	FOOTAGE LOCA		SEC.	TOWNSHIP	RANGE	
					•		
			<del></del>				
				Tu	bular Data		
		•	Surface	Casing	• .	1	•
	mpleted	111	a.				,
ď	5-13-52		Size:	13-3/8	Cemenced w	11th 300 ·	SX
			TOC: _	Surface	feet de	stermined by	calc
			Nola a	Lza: <u>/</u>	71/2-	•	
			HOLE S.	.20,			
			Interm	ediate Cas	ing		
		1348	Size:	8-5/8	Cemented	with <u>1400</u>	sx
		341			•	•	
			100:	DULLS	TEST CO	etermined by	_caic
			Hole S	ize: <u>11</u>			
			Long S	tring		1	
			_				
		85/8	Size:_	5-1/2	" Cemented	with <u>550</u>	sx
,	1	3129	TOC:	5454 482	O feet d	etermined by	TS
					73/4	•	•
			Hole S	ize:	179		i
		55"	Total	Depth: _	8450	·	
		. 70.8540		• *			
			Tulect	ion Inter 8	Aur	•	
				18 <b>5525</b> )	feet to		feet
	•	• •	(perfo	rated or	open-hole, 1	ndicate which	h)
Tul	oing size <u>2-</u>	3/8" lined with	IPC_				set in a
			•		erial)		
	(brand & mode		packer a	it	6018	feet.	
(or	-	other casing-tubing	ng seal).	,			
Oth	er Data	. •					
<u>O CII</u>	<u>er baca</u>		Pad	dock			
1.	Name of the i	njection formation	n				
2.	Name of Field	or Pool (If appl	icable)	Paddock			
		•		•		٠.	
3.		well drilled for at purpose was the			drilled? P	roduction	<u>.</u>
4.	Has the well	ever be perforate	d in anv	other zor	ne(s)? List	all such par	forsted
	intervals and	l give plugging de					
	used.	No			•		•
				· · · · · · · · · · · · · · · · · · ·			
5,		th to and name of	any over	lying and,	or underlying	ng oil or gas	zones
	(pools) in the		<b>.</b>				
	Above G	lorieta ,	•		•	. •	

Penroc		C. S. Caylor			
OPERATOR		LEASE			
4F	1653' FNL & 1558' FWL	6	175	37E	
 WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE	

#### Tubular Data

Completed 7-14-52

## Surface Casing

Size: 13-3/8" Cemented with 280 SX

TOC: Surface feet determined by calc

Hole size: 18"

Intermediate Casing

Size: 8-5/8" Cemented with 800 SX

TOC: 853 feet determined by 50% calc

Hole size: 12-1/4"

Long String

Size: 5-1/2" Cemented with 800 SX

TOC: 4087 feet determined by 80% calc

Hole size: 7-7/8"

Total Depth: 8445'

Injection Interval

- feet to - feet (perforated or open-hole, indicate which)

Tubing size - lined with - set in a

TO 8445

packer

at - feet. (Or describe any other casing-tubing seal).

283'

\_85/8" 3304'

#### Other Data

- 1. Name of the injection formation:
- 2. Name of Field or Pool (If applicable) Lovington Abo
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.
- 5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

(Above) Drinkard

	Greenhill	Petroleum	Corporation	Lovington	Paddock		
	OPERATOR			LEASE			
	#56	1650′	FNL & 1733' FWL	6	178	37E	
_	WELL NO.	FOO	TAGE LOCATION	SEC.	TOWNSHIP	RANGE	•

#### <u>Tubular Data</u>

Spud Date 10-7-53

## Surface Casing

Size: 8-5/8" Cemented with 975 SX

TOC: Surface feet determined by calc

Hole șize: |

Intermediate Casing

Size: Cemented with SX

TOC: feet determined by

Hole size:

Long String

Size: 5-1/2" Cemented with 400 SX

TOC: 4139 feet determined by temp

survey

Hole size:  $7^{7/8}$ 

Total Depth: 6256'

Injection Interval

- feet to - feet (perforated or open-hole, indicate which)

Tubing size - lined with - set in a

packer

at - feet. (Or describe any other casing-tubing seal).

85/8"

2026

-51/2" 6100'

TO 6256'

# Other Data

- 1. Name of the injection formation:
- 2. Name of Field or Pool (If applicable) Paddock
- 3. Is this a new well drilled for Injection? No
  If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

\_\_\_

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

OPERATOR			LEASE			
38	1650' FNL & 1980	O' FWL	6	17S	36E	
WELL NO.	FOOTAGE LOCAT		SEC.	TOWNSHIP		
	<u> </u>		Tub	ular Data		
npleted		Surface (	Casing			
-16-39		Size: 13	}	Cemented v	vith <u>250</u>	s:
		TOC: St	ırface	feet de	etermined by	circ
		Hole size	: <u>17</u>	-1/4" 15		
		Intermedi	<u>late Casi</u>	ng		
	13"	Size: 9-	-5/8	Cemented	with <u>350</u>	S
	15	TOC:18	304	feet d	etermined by	_calc_
		Hole Size	e: <u>12</u> "	103/4		
	·	Long Str	ing			
	L2950'	Size:7		Cemented	with _300	S
		TOC: _ 2	707	feet d	etermined by	<u>calc</u>
·		Hole Siz	e: <del>8-3</del>	<del>/4"</del> 874		•
	4590'	Total De	pth: 49	45 '		
	}	Injectio	n Interv	<u>1</u>		
	14945' TD			feet to		feet
m.1.	- 11 1 141				ndicate whic	
lubing size	lined with		(mate	cial)		set in a
(brand & model	) F	acker at			feet.	
(or describe any o	ther casing-tubing	g seal).				
Other Data						
1. Name of the in	jection formation	<del></del>	San An	dres		
2. Name of Field	or Pool (If applie	cable) <u></u>	ovington	San Andres		
	well drilled for i			rilled? Pr	roduction	·
	ver be perforated give plugging deta	-			-	forated

Underlying-Grayburg

Greenhill	Petroleum Corporation		Lovington	Paddock		
 OPERATOR			LEASE			-
#55	1879' FNL & 2248'	FEL	6	17S	37E	
 WELL NO.	FOOTAGE LOCATI	ON	SEC.	TOWNSHIP	RANGE	-

#### <u>Tubular Data</u>

Completion Surface Casing 6-20-53 8-5/8" Cemented with 1595 SX Size: Converted to TOC: Surface feet determined by calc Injection 1/71 Hole size: 11 85/8" 1980' Intermediate Casing Cemented with SX Size: TOC: feet determined by Hole size: Long String 51/2" Size: 5-1/2" Cemented with 400 SX 6120' TOC: 3971 feet determined by 80% calc TO 6250' Hole size:  $7^{1/8}$ Total Depth: 6250' Injection Interval 6120 feet to 6250 feet

(perforated or open-hole, indicate which)

Tubing size 2-3/8 lined with IPC set in a

packer

at 6067 feet. (Or describe any other casing-tubing seal).

# Other Data

1. Name of the injection formation:  $\underline{P}$ 

<u>Paddock</u>

2. Name of Field or Pool (If applicable) Paddock

- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Tidewater Oi	1 Company	H. L. Batt	ton "A"	
OPERATOR	1650	LEASE		
1	<del>1653</del> ' FNL & 330' FWL	5	175	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

## <u>Tubular Data</u>

Completed Surface Casing 5-2-57 9-5/8" Cemented with 1200 SX Size: Cased Hole TOC: Surface feet determined by calc Hole size: 12-1/4" 95/8' Intermediate Casing 2116' Cemented with SX Size: TOC: feet determined by Hole size: Long String Size: 5-1/2" Cemented with 800 SX TO 6300' 3380 TOC: 1940 feet determined by 80% calc Hole size: 7-7/8" Total Depth: 6300'

- feet to - feet
(perforated or open-hole, indicate which)

Injection Interval

Tubing size - lined with - set in a - packer

at - feet. (Or describe any other casing-tubing seal).

## Other Data

- 1. Name of the injection formation:
- 2. Name of Field or Pool (If applicable) Lovington Paddock
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.
- 5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Greenhill Po	etroleum Corporation	Lovington	Paddock	
OPERATOR		LEASE		
#68	1980' FSL & 1890' FWL	. 6	178	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

## Tubular Data

Completed Surface Casing 12-23-53 Size: 8-5/8" Cemented with 1475 SX Converted to Injection 12-66 TOC: Surface feet determined by calc Hole size: 11" Intermediate Casing SX Size: Cemented with feet determined by TOC: 3143' Hole size: Long String Size: 5-1/2" Cemented with 400 SX 5/2 TOC: 3928 feet determined by 80% calc Hole size: 7-5/8" TO 6250' Total Depth: 6250' Injection Interval 6250 feet to (perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with IPC set in a

packer

at 6039 feet. (Or describe any other casing-tubing seal).

#### Other Data

1. Name of the injection formation: Paddock

- 2. Name of Field or Pool (If applicable) Paddock
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? <u>Production</u>
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

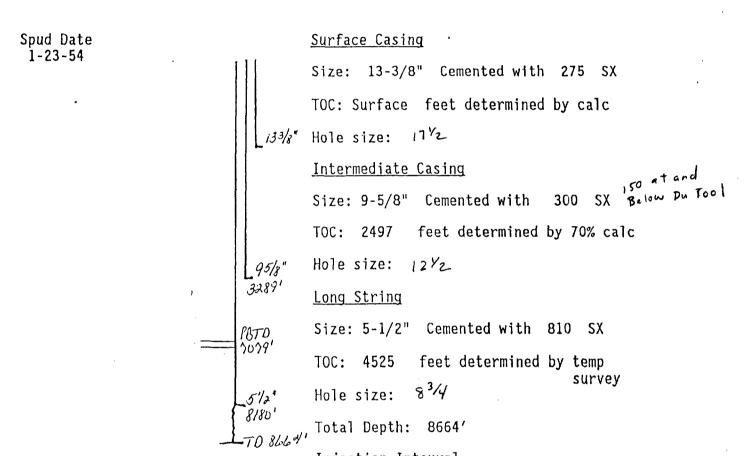
No

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Greenhill Po	etroleum Corporation	1	Lovingt LEASE	on San Andro	es	<del></del>
#50 WELL NO.	1980' FSL & 660' FOOTAGE LOCA		6 SEC.	17S TOWNSHIP	37E RANGE	
		· · · · · · · · · · · · · · · · · · ·	Tul	oular Data		
Completed 10-2-39	270' 1034°  3135' 75/3"  4587' 51/2"  1975' TD	Hole size  Intermedi  Size: 7-5  TOC: 102  Hole Size  Long Stri  Size: 5-1	3/4	feet de 3/4"  ing  Cemented v feet de 7/8"  Cemented v feet de 3/4"	with 200 etermined by with 400 etermined by with 175 etermined by	sx _calc sx
Tubing size 2-	3/8" lined with	. •	IPC		ndicate whic	h) set in a
R-3 Tension (brand & mod	I	packer at _		rial)	feet.	
Other Data						
1. Name of the	injection formation	····	San A	Indres		
2. Name of Fiel	d or Pool (If applie	cable)	_ovingto	on San Andre	s ·	
3. Is this a ne If no, for w	w well drilled for that purpose was the	injection? well origi	No Lnally o	irilled? P	roduction	
	ever be perforated d give plugging det					forated
(pools) in t	th to and name of a his area. erlying-Grayburg	ny overlyii	ng and/o	or und <b>erlyi</b> r	ng oil or gas	zones

Greenhill P	etroleum Corporation	Lovington Paddock	
OPERATOR	2310	LEASE	
#67	<del>2210</del> ' FSL & 660' FWL	6 178	37E
WELL NO.	FOOTAGE LOCATION	SEC. TOWNSHIP	RANGE

## Tubular Data



<u>Injection Interval</u>

- feet to - feet
(perforated or open-hole, indicate which)

Tubing size - lined with - set in a - packer

at - feet. (Or describe any other casing-tubing seal).

## Other Data

1. Name of the injection formation:

No

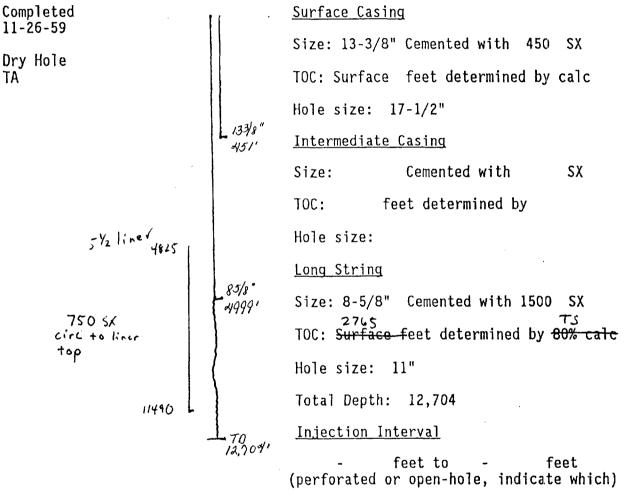
- · 2. Name of Field or Pool (If applicable) Paddock
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Greenhill Petroleum Corporation Lovington San Andres						
	OPERATOR		LEASE	•		
		2545' FNL & 100'		17S		
	WELL NO.	FOOTAGE LOCAT	ION SEC.	TOWNSHIP	RANGE	
		<del></del>				
			I	ubular Data		
•	leted		Surface Casing			
3-1	5-90		Size: 13-3/8	" Cemented	with 450	sx
			TOC: Surface			
			Hole size:			
			Intermediate Ca	asing		
		L365'	Size: 8-5/8		with 800	sx
		133/8"	TOC: Surface			
			Hole Size: _1			
		1969'	Long String			
		8 ≤/9"	Size: 5-1/2	" Cemented	with 940	sx
			TOC: 262			•
		F3.00	Hole Size:			•
		57°2"	Total Depth:	5400'		
		154001 TD	Injection Inte	rval		
			(perforated or	feet to	Indicate which	_ feet
mt.		lined withp	(perioraced or	open-note, i	MOTORCE WHICE	
Tub -	ing size	lined with _	(ma	terial)	<b>.</b>	set in a
	(brand & model	) P	acker at	·	feet.	•
(or	•	ther casing-tubing	seal).	•		
0the	r Data					
1.	Name of the in	jection formation	San	Andres	····	······
2.	Name of Field	or Pool (If applic	able) Lovingt	on San <mark>Andres</mark>	S	
3.	Is this a new If no, for wha	well drilled for i t purpose was the	njection? No well originally	drilled? Pr	roduction	
4.		ver be perforated give plugging deta		ment or bridg		Forated
5.	Give the depth (pools) in thi	to and name of an			ng oil or gas	zones
	Underly	ying-Grayburg				
						<del></del>

Araho	2190' FSL & 560' FEL FOOTAGE LOCATION	State L "C"		
OPERATOR		LEASE	<b>}</b>	
SWD 1-I	2190' FSL & 560' FEL	1	178	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

## Tubular Data



Tubing size - lined with - set in a

packer

at - feet. (Or describe any other casing-tubing seal).

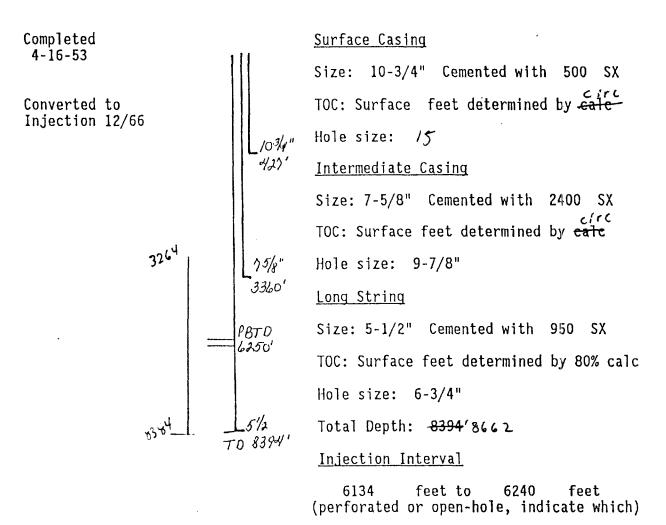
#### Other Data

- 1. Name of the injection formation:
- 2. Name of Field or Pool (If applicable)
- 3. Is this a new well drilled for Injection?
  If no, for what purpose was the well originally drilled? <u>Production</u>
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

<sup>5.</sup> Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Greenhill P	Greenhill Petroleum Corporation		Paddock	
OPERATOR		LEASE		<del>"                                      </del>
#66	2080' FSL & 660' FEL	1	175	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

### <u>Tubular Data</u>



Tubing size 2-3/8" lined with IPC set in a

packer

at 6066 feet. (Or describe any other casing-tubing seal).

## Other Data

1. Name of the injection formation:

Paddock

- 2. Name of Field or Pool (If applicable) Paddock
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? <u>Production</u>
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

MC

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

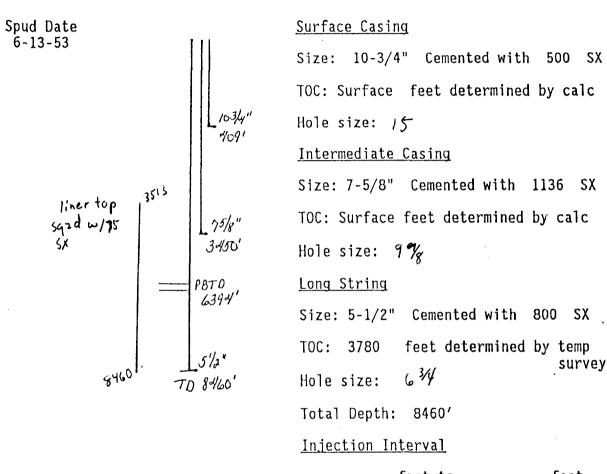
	l Petroleum Corporati	
OPERATOR	1 · · ·	LEASE
#49	1980' FSL & 6	
WELL NO.	FOOTAGE LO	CATION SEC. TOWNSHIP RANGE
		Tubular Data
	.     1   1	Surface Casing
Completed 7-2-39		Size: 13 " Cemented with 250 SX
Converted		TOC: Surface feet determined by circ.
7-14-76		Hole size: ?
		Intermediate Casing
	13"	Size: 9-5/8" " Cemented with 250 SX
		TOC: 2350 feet determined by calc
		Hole Size: ?
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Long String
		Size: 7 Cemented with259 t SX
		TOC: 3090 feet determined by calc
	4556	' Hole Size: ?
	\{\frac{7''}{}	Total Depth: 4960'
	1960'	Injection Interval
	TD	4556 feet to 4960 feet (perforated or open-hole, indicate which)
Tubing size	2-3/8" lined with	
Baker Mod	-1 AD 1	(material) packer at 4417 feet.
(brand & r	model)	
•	any other casing-tubi	ing sear).
Other Data		
1. Name of the	he injection formation	on San Andres
2. Name of F	ield or Pool (If appl	licable) Lovington San Andres
3. Is this a If no, for	new well drilled for r what purpose was th	r injection? No he well originally drilled? Production
	and give plugging de	ed in any other zone(s)? List all such perforated etail (sacks of cement or bridge plug(s)
	· .	any overlying and/or underlying oil or gas zones
(pools) i	n this area.	

Underlying-Grayburg

	Greenhill Petr OPERATOR	roleum Corporatio	<u>n</u>	Lovingt LEASE	ton San Andr	es	<del></del>
	#48	1980' FSL & 1				36E	
	WELL NO.	FOOTAGE LOCA	TION	SEC.	TOWNSHIP	RANGE	
				Tu	bular Data		
	. 1	1111	Surface	Casing			
omplete 5-21-39			Size: 1	3	Cemented v	with250	sx
			TOC: _S	urface	feet d	etermined by	calc
			Hole siz	e:	17-1/4"		
		311'		iate Cas			
					- · · · · ·	with <u>250</u>	SX
						etermined by	
			<del></del>	e:		ecerminea by	cuic
		3070'			12		
			Long Str				a v
		,4530	<del></del>			with <u>225</u>	
		{ 7"			<del></del>	etermined by	calc
		4960'	Hole Si	ze:	8-3/4"	· · · · · · · · · · · · · · · · · · ·	
		T 4760	Total De	epth: _	4960'		
			Injection	on Inter	val		
		·	4530 (perfora			4960 ndicate which	
Tubi	ng size <u>2-7/</u>	8" lined with	<del></del>				set in a
			packer at	•	erial)	feet.	
	brand & model) lescribe any ot	her casing-tubin	g seal).				
	· Data	•					
		ection formation		San <i>i</i>	Andres		
f .	_	or Pool (If appli				۰ς	
				•		<u> </u>	
		vell drilled for purpose was the			drilled? F	roduction	
i		ver be perforated vive plugging det	_			_	cforated
	Give the depth (pools) in this	to and name of a	ny overly	ing and/	or underlyin	ng oil or gas	szones
`		ying-Grayburg					

	Greenhill	Petroleum Corporation	Lovington	Paddock	
	OPERATOR		LEASE		
	#65	2310' FSL & 2310' FEL	1	17\$	36E
_	WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

## Tubular Data



- feet to - feet
(perforated or open-hole, indicate which)

Tubing size - lined with - set in a - packer

at - feet. (Or describe any other casing-tubing seal).

## Other Data

- 1. Name of the injection formation:
- 2. Name of Field or Pool (If applicable) Paddock
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

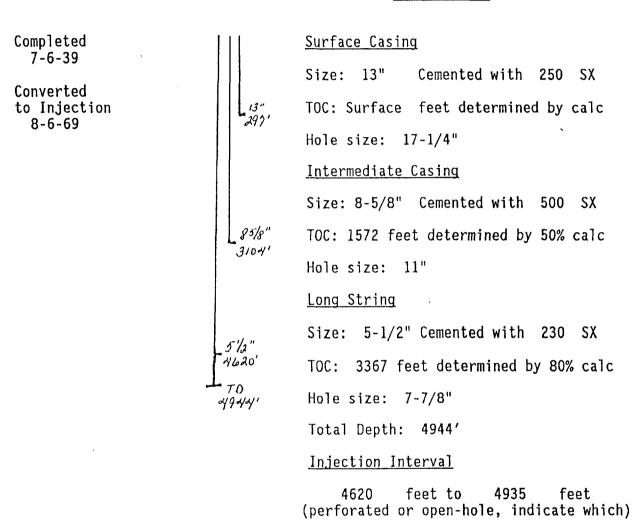
5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Hole size: 17-1/2"  Intermediate Casing  Size: 8-5/8 " Cemented with 1500  TOC: Surface feet determined by Casing  Hole Size: 11"  Long String  Size: 5-1/2 " Cemented with 600  TOC: 5614 feet determined by temp  Hole Size: 7-7/8"  Sy' Total Depth: 8440'  \$125'  TO Injection Interval  \$440'  \$125'  To Applicated or open-hole, indicate which)  Tubing size lined with set in feet.  (brand & model)  or describe any other casing-tubing seal).  ther Data  Name of field or Pool (If applicable) Lovington Abo  No		1 FAST
Tubular Data  Tubular Data  Surface Casing  Size: 13-3/8		00101
ompleted 2-23-53  Surface Casing Size: 13-3/8	12	2310 F3L & 2310 FWL 1 1/S 36E
Surface Casing  Size: 13-3/8 " Comented with _250  TOC: Surface	WELL NO.	FOOTAGE LOCATION SEC. TOWNSHIP RANGE
Surface Casing  Size: 13-3/8 " Comented with _250  TOC: Surface		
Surface Casing  Size: 13-3/8 " Cemented with _250  TOC: Surface		
Surface Casing  Size: 13-3/8 " Comented with 250  TOC: Surface feet determined by calce Hole size: 17-1/2"  Intermediate Casing  19% Size: 8-5/8 " Comented with 1500  TOC: Surface feet determined by calce Hole size: 11"  Long String  Size: 5-1/2 " Comented with 600  TOC: 5614 feet determined by temp Hole Size: 5-1/2 " Comented with 600  TOC: 5614 feet determined by temp Hole Size: 7-7/8"  Total Depth: 8440'  \$115'  TO feet to feet to feet determined by temp Hole Size: 11"  SYL Total Depth: 8440'  Size: 6-1/2 " Comented with 600  TOC: 5614 feet determined by temp Hole Size: 7-7/8"  SYL Total Depth: 8440'  Size: 6-1/2 " Comented with 600  TOC: 5614 feet determined by temp Hole Size: 7-7/8"  SYL Total Depth: 8440'  Size: 6-1/2 " Comented with 600  TOC: 6-	1	Tubular Data
Size: 13-3/8 " Cemented with 250  TOC: Surface feet determined by calce liola size: 17-1/2"  Intermediate Casing Size: 8-5/8 " Cemented with 1500  TOC: Surface feet determined by	_	Surface Casing
TOC: Surface feet determined by calce hole size: 17-1/2"  Intermediate Casing  198 Size: 8-5/8 " Cemented with 1500  TOC: Surface feet determined by calce hole Size: 11"  Long String 3150 Size: 5-1/2 " Cemented with 600  TOC: 5614 feet determined by temp hole Size: 7-7/8"  170 Injection Interval  8440 feet to feet feet feet make the feet make t		
Hola size: 17-1/2"   Intermediate Casing   13/8   5ize: 8-5/8 " Cemented with 1500   T5   1029   T0C: Surface   feet determined by calc   Hole Size: 11"   Long String   3150   Size: 5-1/2 " Cemented with 600   T0C: 5614   feet determined by temp   Hole Size: 7-7/8"   5½'   Total Depth: 8440   \$115'   T0   Injection Interval   \$140   feet to feet to feet to feet to feet in set in		Size: 13-370 " Cemented with 230 . SX
Intermediate Casing    13	•	TOC: Surface feet determined by calc
Intermediate Casing    131/8   Size: 8-5/8 " Cemented with 1500     1029   Toc: Surface   feet determined by caste     1010 Size: 11"     1010 Size: 11"     1010 Size: 5-1/2 " Cemented with 600     1010 Size: 7-7/8"     1010 Size: 7-1/2 " Cemented with 600     1010 Size: 11"     1010 Size: 11"		Wole street 17-1/2"
Tubing sizelined with		Hold Size:
Toc: 8-5/8 " Cemented with 1500  Toc: Surface feet determined by calculated with 1500  Toc: String  1750  Size: 5-1/2 " Cemented with 600  Toc: 5614 feet determined by temp  Hole Size: 7-7/8"  Size: 7-7/8"  Size: 7-7/8"  Size: 7-7/8"  Size: 7-7/8"  Size: 100  Toc: 5614 feet determined by temp  Hole Size: 7-7/8"  Size: 100  Toc: 5614 feet determined by temp  Hole Size: 7-7/8"  Size: 5-1/2 " Cemented with 600  Toc: 5614 feet determined by temp  Hole Size: 7-7/8"  Size: 5-1/2 " Cemented with 600  Toc: 5614 feet determined by temp  Hole Size: 100  Size: 5-1/2 " Cemented with 600  Toc: 5614 feet determined by temp  Hole Size: 100  Toc: 5614 feet determined by temp  Hole Size: 7-7/8"  Size: 5-1/2 " Cemented with 600  Toc: 5614 feet determined by temp  Hole Size: 100  Toc: 5614 feet determined by temp  Hole Size: 100  Toc: 5614 feet determined by temp  Hole Size: 100  Toc: 5614 feet determined by temp  Hole Size: 100  Toc: 5614 feet determined by temp  Hole Size: 100  Toc: 5614 feet determined by temp  Hole Size: 100  Toc: 5614 feet determined by temp  Hole Size: 100  Toc: 5614 feet determined by temp  Hole Size: 100  Toc: 5614 feet determined by temp  Hole Size: 5-1/2 " Cemented with 600  Toc: 5614 feet determined by temp  Hole Size: 5-1/2 " Cemented with 600  Toc: 5614 feet determined by temp  Hole Size: 100  Toc: 5614 feet determined by temp  Hole Size: 100  Toc: 5614 feet determined by temp  Hole Size: 100  Toc: 5614 feet determined by temp  Hole Size: 100  Toc: 5614 feet determined by temp  Hole Size: 5-1/2 " Cemented with 600  Toc: 5614 feet determined by temp  Hole Size: 5-1/2 " Cemented with 600  Toc: 5614 feet determined by temp  Hole Size: 5-1/2 " Cemented with 600  Toc: 5614 feet determined by temp  Hole Size: 5-1/2 " Cemented with 600  Toc: 5614 feet determined by temp  Hole Size: 5-1/2 " Cemented with 600  Toc: 5614 feet determined by temp  Hole Size: 5-1/2 " Cemented with 600  Toc: 5614 feet determined by temp  Hole Size: 5-1/2 " Cemented with 600  Toc: 5614 feet determined by temp  Hole Size: 5-1/2 " Ce		Intermediate Casing
TOC: Surface feet determined by calce liole Size: 11"    Solution   Long String   Size: 5-1/2   Cemented with 600		
Toc: Surface   feet determined by calce   Hole Size: 11"		
Long String  Size: 5-1/2 " Cemented with 600  TOC: 5614 feet determined by temp  Hole Size: 7-7/8"  Syl' Total Depth: 8440'  Size: 100 feet to 600  Toc: 5614 feet determined by temp  Hole Size: 7-7/8"  Syl' Total Depth: 8440'  Size: 100 feet to 600  Toc feet to		TOC: Surface feet determined by calc
Size: 5-1/2 " Cemented with 600  TOC: 5614 feet determined by temp    liole Size: 7-7/8"     S'\_1 Total Depth: 8440'     Size: 100		Hole Size: 11"
Size: 5-1/2 " Cemented with 600  TOC: 5614 feet determined by temp    llole Size: 7-7/8"		Long String
TOC: 5614 feet determined by temp liole Size: 7-7/8"    State		8-18
Hole Size: 7-7/8"    SY_1		Size: 5-1/2 " Cemented with 600 SX
To Injection Interval  To Stylo — feet to — fee  (perforated or open-hole, indicate which)  Tubing size lined with set in  packer at feet.  (brand & model) or describe any other casing-tubing seal).  ther Data  Name of the injection formation Lovington Abo  Is this a new well drilled for injection? Preduction	•	TOC: 5614 feet determined by temp su
To Injection Interval  TO Feet to feet to feet to feet to feet in feet in feet in feet.  Tubing size lined with set in feet.  [brand & model) or describe any other casing-tubing seal).  [ther Data]  Name of the injection formation Lovington Abo  Is this a new well drilled for injection? No Preduction.		Hole Size: 7-7/8"
To Injection Interval  8110  6440  ———————————————————————————————		
Injection Interval  8440		
Tubing size lined with set in material)  Tubing size lined with material)  packer at (material)  packer at feet.  (brand & model) or describe any other casing-tubing seal).  Other Data  Name of the injection formation Lovington Abo  Is this a new well drilled for injection? No Production		Injection Interval
(perforated or open-hole, indicate which)  Tubing size lined with set in (material) feet.  (brand & model)		
Tubing sizelined with(material)		1800 00
packer at	•	
packer at	Tubing size	
(brand & model) or describe any other casing-tubing seal).  ther Data  Name of the injection formation  Name of Field or Pool (If applicable)  Lovington Abo  Production		· <del>-</del>
. Name of the injection formation	(brand & mod	
Name of the injection formation  Name of Field or Pool (If applicable)  Lovington Abo  No  Production	or describe any	other casing-tubing seal).
Name of the injection formation  Name of Field or Pool (If applicable)  Lovington Abo  No  Production	ther Data	
. Name of Field or Pool (If applicable)  Lovington Abo  No  Production		
. Is this a new well drilled for injection?	Name of the	injection formation
. Is this a new well drilled for injection?	. Name of Fiel	d of root (if applicable)
	). Is this a ne	w well drilled for injection?
I lias the well ever be perforated in any other zone(s)? List all such perforate intervals and give plugging detail (sacks of cement or bridge plug(s) used.	intervals ar	

Above Drinkard

Greenhill Pe	etroleum Corporation	Lovingto	n San Andre:	S
OPERATOR	1990	LEASE		<del>*************************************</del>
47	1980' FNL & <del>1986'</del> FWL	1	175	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

#### Tubular Data



Tubing size 2-3/8" lined with IPC set in a

packer

at 4517 feet. (Or describe any other casing-tubing seal).

## Other Data

- 1. Name of the injection formation: <u>San Andres</u>
- 2. Name of Field or Pool (If applicable) Lovington San Andres
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? <u>Production</u>
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.
- 5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

(Above) Grayburg

 Greenhill	Petroleum Corporation	Lovington	Paddock		
 OPERATOR		LEASE			
#64	1980' FSL & 1880' FWL	1	17\$	36E	
 WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE	

## Tubular Data

Completed 12-18-53		Surface Casing
		Size: 13-3/8" Cemented with 300 SX
Converted to Injection 12/66		TOC: Surface feet determined by calc
		Hole size: 17/2
	133/8"	<u>Intermediate Casing</u>
,	298'	Size: 8-5/8" Cemented with 1500 SX
		TOC: Surface feet determined by <del>calc</del>
		Hole size: //
	25/2"	Long String
	3750'	Size: 5-1/2" Cemented with 550 SX
		3834 TOC: 3068 feet determined by 80% calc
		Hole size: 7-7/8"
	~¹/.н	Total Depth: 6275'
	6064'	Total Depth: 6275'  Injection Interval
	·TO 6275'	6064 feet to 6275 feet (perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with IPC set in a

packer

at 5979 feet. (Or describe any other casing-tubing seal).

## Other Data

1. Name of the injection formation: Paddock

- 2. Name of Field or Pool (If applicable) Paddock
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

	Greenhill Pe	etroleum Corporat	ion	Lovington	Paddock		
. –	OPERATOR			LEASE			•
	#63	1980' FSL & 9	90' FWL	1	178	36E	
-	WELL NO.	FOOTAGE LOC	CATION	SEC.	TOWNSHIP	RANGE	-

#### Tubular Data

Spud Date 5-19-53

Surface Casing Size: 13-3/8" Cemented with 300 SX TOC: Surface feet determined by calc Hole size: 17/2 133/8 297 Intermediate Casing Size: 8-5/8" Cemented with 1500 SX feet determined by temp TOC: 879 survey Hole size: // 85/8' Long String 3750 Size: 5-1/2" Cemented with  $\frac{600}{500}$  SX feet determined by 80% calc TOC: 3364 Hole size: 7-7/8" 6088 Total Depth: 6250' TO 6250' Injection Interval

- feet to - feet
(perforated or open-hole, indicate which)

Tubing size - lined with - set in a - packer

at - feet. (Or describe any other casing-tubing seal).

#### Other Data

Name of the injection formation:

No

- 2. Name of Field or Pool (If applicable) Paddock
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Greenhill Pe	troleum Corporation	Lovington San Andres
	02101 FM 0 12001 FM	
#58 WELL NO.	FOOTAGE LOCATION	31 16S 37E SEC. TOWNSHIP RANGE
<u> </u>		Tubular Da <b>ta</b>
ompleted	Sur	face Casing
5-15-41	: f   1	e: 13 " Cemented with 180 SX
eepen to 5070		S: Surface feet determined by circ
19 10 10 10 10 10 10 10 10 10 10 10 10 10		
	13"	Le size: 17-1/4"
		cermediate Casing
		ce: 8-5/8 " Cemented with 400 SX
	[ [ _ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	C: 860 feet determined by calc
	8 5/8 " Ho:	Le Size: 11"
	Lo	ng String
	Si	ze: 5-1/2 " Cemented with 200 SX
•	4570 TO	C: 3479 feet determined by calc
•	5/2" Ho	le Size: 7-7/8"
•	{	tal Depth: 4990'
		<u>lection Interval</u>
	<del>(</del> p	4570 feet to feet to erforated or open-hole, indicate which)
Tubing size 2	- /8 lined with	IPC set in a
	naak	(material) er at <u>4850</u> feet.
(brand & mod	el) .	
	other casing-tubing se	al).
Other Data		
1. Name of the	injection formation	San Andres
2. Name of Fiel	d or Pool (If applicabl	e) Lovington San Andres
3. Is this a ne If no, for w	w well drilled for inje hat purpose was the wel	ction? No l originally drilled? Production
	· •	any other zone(s)? List all such perforated (sacks of cement or bridge plug(s)
5. Give the dep (pools) in t		verlying and/or underlying oil or gas zones
(hoors) In c	urs area.	

Greenhill.Pe	troleum Corporatio	Dn Lovington San Andres
OPERATOR		LEASE
53	660 FSL & 1980	FWL 1 T17S-R36E
WELL NO.	FOOTAGE LOCA	
·	·	Tubular Data
		Surface Casing
Comp. 1 a t a d	11	Size: 13
Completed 1/39		TOC: Surface feet determined by circ.
	281,	Hole size: 17 1/2
	13"	Intermediate Casing
		Size: 9 5/8 " Cemented with 500 SX
	2983	TOC: 1475 feet determined by 80% calc
	95/3 .	Hole Size: 12 1/4
		Long String
	75/811	Size: 5 1/2 " Cemented with 55 SX
	3454 ′	TOC: 4418 feet determined by 80% cal
	-4624' 5 1/2 "	Hole Size: 8 3/4
	4815'	Total Depth: 4815
	TD	Injection Interval
		feet to feet
		(perforated or open-hole, indicate which)
Tubing size	lined with	set in a (material)
		(material) packer atfeet.
(brand & mode	1)	
(or describe any	other casing-tubin	ng seal).
Other Data		
l. Name of the i	njection formation	. ,
2. Name of Field	or Pool (If appli	.cable) Lovington Paddock
3. Is this a new If no, for wh	well drilled for at purpose was the	injection? No production
. llas the well	ever be perforated	i in any other zone(s)? List all such perforated tail (sacks of cement or bridge plug(s)
5. Give the dept	h to and name of a	any overlying and/or underlying oil or gas zones
(pools) in th		-in vivilizing and on anabaryang out of gas tolles
overl	ying Grayburg	

Greenhill Peta OPERATOR	roleum Corporatio	<u>n</u>	Lovingt LEASE	on San Andre	ος	
#45	1980' FNL & 198	n' FFI	2	17S	36E	
WELL NO.	FOOTAGE LOC		SEC.			
			Tu	ıbular Data		
Completed	1 1 1	Surfac	e Casing			
5-26-43		Size:_	13^	Cemented	with <u>175</u>	sx
		TOC:	Surface	feet d	etermined by	circ
		Hole s	ize: 1	7"		
	Lz30'		ediate Cas		<del></del>	
·					with <u>600</u>	SX
		. =			etermined by	
		<del></del>		11"		
	.   _2051'	Long S				
	8519"			Y Cemented	with 400	SX
					etermined by	
		_	ize:		,	
	1577' \S'/2"			,	· <del></del>	
	5/2"		-	5147'		•
	1 5177'		ion Inter			
	TD				5147 .ndicate which	
Tubing size	_ lined with	IP			£	set in a
		packer a		erial) 7 ———	feet.	
(brand & model (or describe any o	•	ng seal).				
Other Data	•					
1. Name of the in	ijection formation	n				
2. Name of Field	or Pool (If appl	icable)	Lovingto	n San Andres	i	
	well drilled for	,				
	at purpose was the			drilled? Pr	oduction	· · · · · · · · · · · · · · · · · · ·
	ever be perforate give plugging de					forated
5. Give the depth (pools) in the	n to and name of	any over	lying and/	or underlyi	ng oil or gas	zones
· · · · · · · · · · · · · · · · · · ·	ying-Grayburg					

OPERATOR	roleum Corporation Lovington Paddock LEASE
72 WELL NO.	660 FSL & 2080 FWL 1 T175-R36E FOOTAGE LOCATION SEC. TOWNSHIP RANGE
	Tubular Data
Completed	
5/14/53	Surface Casing
	Size: 13 3/8 " Cemented with 300 SX
	TOC: Surface feet determined by circ.
	Hole size: 17 1/2
	Intermediate Casing
	Size: 8 5/8 " Cemented with 1500 S)
	3752 TOC: Surface feet determined by calc.
	Hole Size: 11
	Long String
	Size: 5 1/2 " Cemented with 500 S
	TOC: 3864 3864 feet determined by temp
	51/2
	TD 5242
	Injection Interval
	feet tofeet (perforated or open-hole, indicate which)
ubing size	lined with set in a set in a
	packer atteet.
(brand & model describe any o	) ther casing-tubing seal).
ner Data	· .
Name of the in	jection formation
Name of Field	or Pool (If applicable) Lovington Paddock
	well drilled for injection? No
If no, for wha	t purpose was the well originally drilled? production
	ever be perforated in any other zone(s)? List all such perforated give plugging detail (sacks of cement or bridge plug(s)
Give the depth	
Give the depth (pools) in thi	to and name of any overlying and/or underlying oil or gas zones sarea.
.above	e (Glorieta)

<b>-</b>		LEASE	•
71 WELL NO.	FOOTAGE LOCATION	EL SEC.	T175 - R 36 E TOWNSHIP RANGE
NASA 110 C	TOVINGE BOOKETON	<i>B</i> 10.	ZO HATOMELE AMANOM
		Tubu	lar Data
	! <b>!</b>	face Casing	
1	Siz	o: /3 <sup>3</sup> /4 ".	Comented with 350 sx
	13% TO	e Caran	feet determined by
5/6/56	.   358	D ·	•
	Hol	e size: <u>17</u>	/2
	11.000	ermediate Casin	lg .
			Cemented withSX
	85/8" 3340' TO	: surface	- feet determined by cole.
		le Size:	
			n markan
		ng String	•
	Si	ze: <u>5½</u> " 5000	Cemented with 560 Si
•		C: <del>_ <u>5019</u></del>	feet determined by 80% c
	- 10 6300 Ho	le Size:	<u> </u>
	235 bottom	tal Depth:	6300
	323 · · · p		us Demont de Agrand - La company de La compa
	Ϋ́	<u>lection Interva</u>	
	<u></u>	arforated or on	feet to feet en-hole, indicate which)
Tubing size	lined with	(mater	inl) set in a
(brand & model	pack	er at	feet.
•	) ther casing-tubing se	al).	
ther Data	ge Maria de la companya de la compa		
	location formation		
•	jection formation	_ , `	
. Name of Field	or Pool (If applicable	.e) Padd	ock
	well drilled for inject purpose was the we		cilled? production
	ver be perforated in give plugging detail		(s)? List all such perforated nt or bridge plug(s)
	// 0		
	•	•	r underlying oil or gas zones

Texaco `	C. S. Caylor
OPERATOR	LEASÉ
WELL NO.	2179' FNI & 2173' FFI 6 17S 37E FOOTAGE LOCATION SEC. TOWNSHIP RANGE
	Tubular Data
Completed	Surface Casing
8-14-52	Size: 13-3/8 " Comented with 250 SX
Recompleted San Andres	TOC: Surface feet determined by calc
6-14-89	244' Hole size: 17-1/4"
PBTD 7915 Perf 4600-4784	Intermediate Casing
	Size: 8-5/8 " Cemented with 1800 SX
	TOC: Surface feet determined by calc
	Hole Size: 12-1/4"
•	Long String
	3253 Size: 5-1/2 " Cemented with 600 SX
•	TOC: 4377 feet determined by 80% ca
	7915 PRTD Hole Size: 7-7/8"
	f <sup>v</sup> <sub>2</sub> Total Depth: 8665'
	70 Injection Interval
	feet to feet (perforated or open-hole, indicate which)
Tubing giza	lined with set in a
	(material)
(brand & model)	
•	ther casing-tubing seal).
Other Data	
1. Name of the in	jection formation
2. Name of Field	or Pool (If applicable) Lovington Abo
	well drilled for injection? No t purpose was the well originally drilled? Production
	ver be perforated in any other zone(s)? List all such perforated give plugging detail (sacks of cement or bridge plug(s)
5. Give the depth (pools) in thi	to and name of any overlying and/or underlying oil or gas zones
Above Dr	

ablair more info

Oryx Energy	Company	Maggie C	aylor	
OPERATOR		LEASE		
3	660' FNL & 665' FWL	6	178	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

## Tubular Data

Completed Surface Casing 3-19-52 Size: 13-3/8" Cemented with 300 SX Sidetrack 6-28-90 TOC: Surface feet determined by calc Well Plugged Hole size: 17-1/4" Back to 3570' 133/8" Wellbore has Intermediate Casing 8-5/8" csg. set @ 3150' & 349 Size: 8-5/8" Cemented with 1200 SX cmtd. w/1200 TOC: Surface feet determined by calc SXS Sidetracked Hole size: 11" 85/8" 3150' Long String olugyed Size: 5-1/2" Cemented with 410 SX 3570 6057 feet determined by 80% calc TOC: 51/2" provided by oryx TO 8438' 7-3/4" Hole size: Total Depth: 8438' Injection Interval

- feet to - feet (perforated or open-hole, indicate which)

Tubing size - lined with - set in a

packer

at - feet. (Or describe any other casing-tubing seal).

## Other Data

- 1. Name of the injection formation:
- 2. Name of Field or Pool (If applicable) Lovington Abo
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.
- 5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.
  (Above) Drinkard

			ington Paddoo	-,,	
OPERATOR		LEASE			
9 660 FS	L & 1980 FWL	30	T16S-R37E		
WELL NO. FO	OOTAGE LOCATION	SEC.	TOWNSHIP	RANGE	,
	**************************************	<u>Tu</u>	bular Data		
Completed 5/14/54	Surf	ace Casing			
3/ 14/ 34	Size	: 13 3/8 "	Cemented w	ith350	sx
1	TOC:	Surface	feet de	termined by	circ.
		size: 17			
	<u>Inte</u>	rmediate Cas	ing		
	Size	: 8 5/8 "	Cemented w	ith 1500	sx
34		Surface	feet de	termined by	<u>circ.</u>
133		Size:	l 1		
2115		String	·		
	~	: 5 1/2 "	Cemented w	ith 1000	sx
	TOC:	3153	feet de	termined by	<u>temp.su</u> r
	Hole	Size: 7 7/	<b>′</b> 8		•
LTD	ı Tota	1 Depth:	5270		
6270 51	. (1	ction Interv			
	(per	forated or c	feet to	dicate whic	feet
Tubing size1	ined with	/			set in a
	packer	at	riai)	feet.	
(brand & model) or describe any other ca	sing-tubing seal	).			
ther Data					
. Name of the injection	formation		· · · · · · · · · · · · · · · · · · ·	·	·····
. Name of Field or Pool	(If applicable)	Lovington	Paddock		
. Is this a new well dr If no, for what purpo			rilled? pr	oduction	
. Has the well ever be intervals and give plused.					forated
Give the depth to and (pools) in this area.	name of any ove	rlying and/o	or underlying	oil or gas	zones
overl	ving Grayburg				

	roleum Corporation		<u>Lovington Padd</u>	ock	<del></del>
OPERATOR		LEA	ASE .		
WELL NO.	2173 FSL & 217 FOOTAGE LOCA			-R37E range	<del></del>
	·	***************************************	Tubular Data		
		Surface Casin	ng		•
reached TD 6-19-53		Size: 13 3/8	Cemented	with350.	sx
		TOC:	feet d	etermined by	
		Hole size:		•	
	133/8	Intermediate	Casing		
	292	Size: 8 5/8	Cemented	with 1150	SX
		TOC: 820'	feet d	etermined by to	emp surve
		Hole Size:	,	_	
		Long String			
	3190		Cemented	with600	sx
	85/g	TOC: 3620	feet d	letermined by COI	mpletion
	3386'	Hole Size:		,	
	3500	Total Depth:	6270	,	
	51/2 liner	_			
·	6269	Injection In			<b>C</b> . <b>4</b> .
		(perforated	or open-hole, i		feet
Tubing size	lined with		material)	set	in a
	ī	acker at	material)	feet.	
(brand & mode	el) other casing-tubing				
ther Data	outer enoring dubling	, 5042/4	•		
	iningkin franckin				
	injection formation				
	d or Pool (If applic			• ,	
Is this a new	w well drilled for that purpose was the	njection? Nell original	lo ly drilled?	production	<del></del>
	ever be perforated d give plugging deta				ated
. Give the dep	th to and name of an	ny overlying a	nd/or underlyin	ng oil or gas zo	nes
overlying	Grayburg				

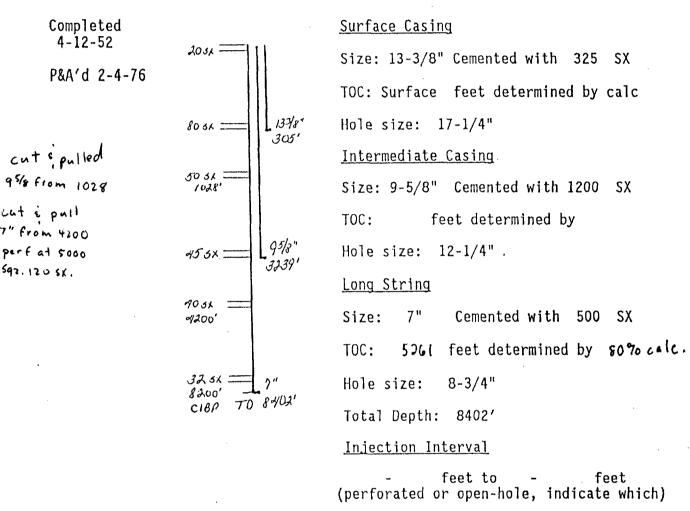
	103E01	ION WELL DATA SHEET			
Phillips Petrole OPERATOR 1 (1980 S GGO E?) WELL NO. FOOTAGE LOCAT	um Cor	p Louins T	Lon		
OPERATOR 7		LEASE		- 0	
1 (1980 S 660 E!)		35	16 S	36C	
WELL NO. FOOTAGE LOCAT	ION	SECTION	TOWNSHIP	RANGE	
Schematic		Tabul	ar Data		
ſ	1 1 102	Surface Casing			
	78 1034	Size	Cemented with	250	_sx.
	18	Size 10 3/4 "  TOC Circ fee  Hale size 13 3/4	t determined by	calc	
		13 3/11	_		
		Hole Size			
	P854	Intermediate Casing			
		Size 7 5/8 "	Cemented with	600	SX.
		10C 395 fee			
		Hole size 9 1/8	.c decermined by		
		Hole size 7 /8			
		Long string			
	52043	Size <u>5/2</u> "	Cemented with	300	sx.
		TOC /609 fee	et determined by	Colc	
		Hole size 6 3/4	., .		
5	1/2	Hole Size 0/4			
		Total depth 50	02		
		Injection interval			
		feet to		feet	
. W. CO - W. W.	41 29	(perforated or open-hole	, indicate which)		
10 SX 4680 - 4640	4679				
\{ -	75002				

	DATE	DEPTH	MATURE OF WORK PERFORMED
Tubi	5-22-20°	50021	Substitution apart in this liques to the Oil Conservation Commission of the service is commission of the service is commission. It should be signed and sweet in below, a more nit, beyon a roton water of the book a roton.
, 401	on proceedings impact of the	ria ile. Ria dendra no emer ricalemalio ne se di	equipment to plus she abendon well. Running
	5-23-47	50021 3.4	19263 TRen tubing and widded hole - spotted 10 sacks
10)		***	Genent 1629-1698 ONLING STEAMORE IN TERMINE TO See -
Othe	5-24-47	97075 <b>5002 f</b> 30 k	Shot 5-1/2" casing at 2200', casing came loose -
1.	5-25-47	7.5002* ma	TOAL TERRITOR OF WHEN A TOOLS OF THE STATE O
2.		50021	rulled 5-1/2" casing - Recovered 69 (cinta 220)
			130-101.2
3.	5-27-47	5002 F	mudded hole maring to shoot 7-5/8" gasing.
	5-28-47	50021	Spotted 10 sacks cement 2163-2218', Shot 7-5/8" -
			casing at 900', 700', 600', and 500'. Gasing
4.	5-29-47		Pulled gasing, 13 joints 499!, 24# Range 3, H-40 ls
	•		A A A A A A A A A A A A A A A A A A A
			502-534'. Placed wood plug at 10 in 10-3/4"
	fr ta sz	Sa ha na kuthusu w	502-534'. Placed wood plug at 10' in 10-3/4" casing and cemented to surface. Placed 4" pipe marker and filled cellar. Hell plugged and bandoned.
	•	an tar	oboxivos and inited deliar, nell plugged and
5.			est table a visually
	i.		

	1650 N	C. S. C 330 W 6 SECTION	175	37C
ELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
Schemat	ic 4/28	94 13 1/8 <u>Ta</u>	nbular Data	
-		Surface Casing		
		Size 133/8 TOC Surface	' Cemented with	375 sx
		TOC Surface	feet determined by	Circ
		Hole size 17/2		
		375 Intermediate Casing		
		Size 8 5/8	' Cemented with	833 s
		roc <u>670</u>	feet determined by	Temp Survey
		Hole size //		, , , , , ,
		3225 Long string		
		Size 4/2	' Cemented with	3/88 s
	- 00	100 Sartace	feet determined by	CIrc
	58	Hole size $\frac{7^{2}}{7}$	8	
·		Total depth $g$		
		Injection interval		
	840	feet to open-ho	to	_ feet
	}	(perforated or open-ho	ole, indicate which)	
uhing size		; lined with		set in a
ubing size		lined with(mate	erial)	set in a
(brand	i and model)	packet :	erial) at	set in a
(branc or describe a		packet :	erial) at	set in a feet
(brand or describe a ther Data	i and model) any other casing-t	ubing seal).	at	feet
(brand or describe a lther Data	i and model) any other casing-t ne injection forma	ubing seal).	at	feet
(brand or describe a lither Data . Name of the lith of	i and model) any other casing-t ne injection forma ield or Pool (if a	packer of the pa	a t	feet
(brance or describe as lither Data)  Name of the Common Name of Figure 1. Name of Fi	i and model) any other casing-t ne injection forma ield or Pool (if a	packer subing seal).  tion  spplicable)  for injection? /// Yes		feet
(brance or describe as ther Data)  Name of the Name of Fig. Name of Fig.	i and model) any other casing-t ne injection forma ield or Pool (if a	packer of the pa		feet
(brance or describe as the Data)  Name of the Name of Fig. Name of Fig. 1s this a If no, for the Name of the Name of the Name of Fig. 1s the Name	i and model) any other casing-t ne injection forma ield or Pool (if a new well drilled r what purpose was	packer subing seal).  tion  spplicable)  for injection? /// Yes	/_/ No d?	forated interv
(brance or describe as the Data)  Name of the Name of Fig. Name of Fig. 1s this a If no, for the Name of the Name of the Name of Fig. 1s the Name	i and model) any other casing-t ne injection forma ield or Pool (if a new well drilled r what purpose was	packer and the packer	/_/ No d?	forated interva

	Arco		State 18			
	OPERATOR		LEASE			-
	3	1959.54' FWL & 660' FSL	31	168	37E	
_	WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE	-

### Tubular Data



Tubing size - lined with - set in a - packer

at - feet. (Or describe any other casing-tubing seal).

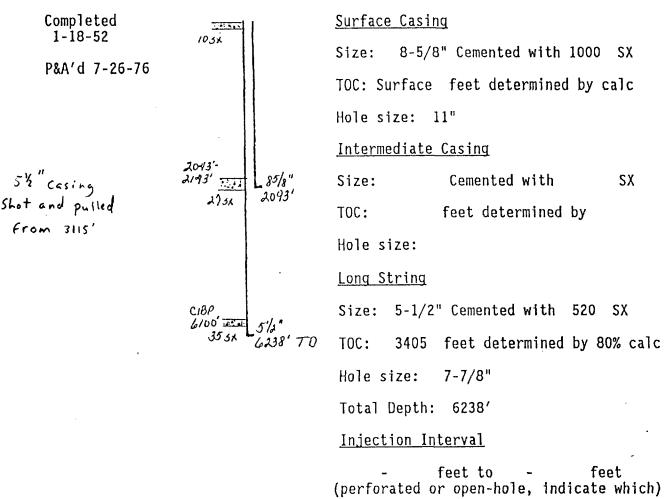
# Other Data

- 1. Name of the injection formation:
- 2. Name of Field or Pool (If applicable) Lovington Abo
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.
- 5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

(Above) Drinkard

Texaco		State "F	ייי		
 OPERATOR		LEASE			
5	330' FSL & 330' FWL	32	168	37E	
 WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE	

### Tubular Data



Tubing size lined with - set in a

packer

at feet. (Or describe any other casing-tubing seal).

### Other Data

- Name of the injection formation:
- Name of Field or Pool (If applicable) Lovington Paddock 2.
- Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

	Amoco		State E 1k 10
•	OPERATOR	L	LEASE
	15	330' FNL & 2	
•	WELL NO.	FOOTAGE I	OCATION SEC. TOWNSHIP RANGE
		·	•
		<u> </u>	
			•
			Tubular Data
Com	pleted		
	-	•	Surface Casing
12-4	1-32	2557	burrace outring
	_	155	gt . 12 2/0 // damakadada 975 // my
P& <i>A</i>	A'd		Size: 13-3/8 " Cemented with 275 SX
7-1	7-84		
			TOC: Surface feet determined by calc
		.   613	3/8 Hole size: 17-1/2"
			(41
		255K	
		1156-	Intermediate Casing
		1910	
÷			Size: 8-5/8 " Cemented with 500 SX
		255× -	
		3135-	TOC: 223 feet determined by 50% cal-
		3389	200 Call
			V 1 01 10 1//II
•	•		Hole Size: 12-1/4"
		L 85/8	
. ا ب	tracked	3500	Tong Ctring
	•	2554	+ 450 perlite
, مادة	120 sack		Size: 5-1/2 " Cemented with 450 SX
	715-4465	5673 - 5827	4910 original by tempsurvey
	1	•	
600	6-5400	35.0%	TOC: 1855 feet determined by temp si
			· sidet »
7201	0-7725	CIBP	Hole Size: 8-3/4"
		8200'	
		£ 1 854	Total Depth: 8550'
		(	rocar pepcir.
		L TD	·
		5550	Injection Interval
		•	feet to feet
	_		(perforated or open-hole, indicate which)
	•	•	We among the control of the control
m.	hin si	lined wi	th - set in a
In	DINE BING	TIME WI	(material) set in a
,		<b>~</b>	(macerial)
	·		packer atfeet.
	(brand &		
(or	describe	any other casing-to	ubing seal).
			•
Oth	er Data		•
2001	<u> </u>		
1	M	the interplace from	rion.
l,	Name of (	THE THISCCION TORMS	cion
		•	
2.	Name of 1	Field or Pool (If a	pplicable)Lovington Abo
- •		•.	
2 .	To this .	n new well drilled	For injection? No Production
3.	ra cura (	Y HEM MAIT OLITIED !	the well originally drilled? Production
	If no, fo	or what purpose was	the well originally drilled? Production
4.	llas the	well ever be perfor	ated in any other zone(s)? List all such perforated
. •			detail (sacks of cement or bridge plug(s)
	used.	- min Grin Lunghing	and the same of th
	useu.	•	
	····	· ,	
	at -1	1	
5.			of any overlying and/or underlying oil or gas zones
	(pools)	in this area.	
		Above Ded-1	
		. Above Drinkard	

٨o

Alloco	State E IN 10
OPERATOR	LEASE
1.6	330' FNL & 990' FWL 1 17S 36E
WELL NO.	330' FNL & 990' FWL 1 17S 36E FOOTAGE LOCATION SEC. TOWNSHIP RANGE
WELL NO.	FOUNGE LOCATION SEC. TOWNSHIP RANGE
•	
	Tubular Data
ompleted	Curton Coning
2-25-53	Surface Casing
&A¹d	Size: 13-3/8 " Cemented with 300 SX
∞A a -26-84	
20 04	TOG: Surface feet determined by cale
IBP set	1 - 13.4
8103 <b>'</b>	215 Hole size: <u>17-1/2"</u>
umped 15 sx	
et retainer	Intermediate Casing
4261'	Size: 9-5/8 " Cemented with 300 SX
Sumped 346 sx	
et retainer 1326'	TOC: 1536 feet determined by 50% calc
Pumped 900 sx	95/8
potted 15 sx	328; Hole Size: 12-1/4"
ement surface	<b>376</b>
lug	Long String
	1500 Perlite
	Size: 7 Cemented with 500 SX
•	TOC: 4550 feet determined by temp sur
•	CIBP —
	5/03' L 7" TO 8517 Hole Size: 8-3/4"
	40 8517
	Total Depth: 8517'
	Injection Interval
	_ feet to _ feet
•	(perforated or open-hole, indicate which)
Tubing giza	- lined with - set in a
TANTUR STAR	lined withset in a (material)
	packer atfeet.
(brand & mod	
	other casing-tubing seal).
Other Data	
1 Maria - 2º 4.1.	Interton formation
1. Name of the	injection formation
2. Name of Fiel	d or Pool (If applicable) Lovington Abo
L. Mame VI FIEL	or you (if appround)
3. Is this a ne	w well drilled for injection? No
If no. for w	hat purpose was the well originally drilled? Production
HO;	the first state of the first sta
4. Has the well	ever be perforated in any other zone(s)? List all such perforated
	d give plugging detail (sacks of cement or bridge plug(s)
used.	
	th to and name of any overlying and/or underlying oil or gas zones
(pools) in t	MIS BLUE.
Above	e Drinkard

Amoco '	State "E" TR 18
OPERATOR	LEASE
18	330' FNL & 330' FEL 2 17S 36E
WELL NO.	FOOTAGE LOCATION SEC. TOWNSHIP RANGE
	Tubular Data
ompleted	111 guisan Continu
5-12-53	Surface Casing
A'd 11-7-83	Size: 13-3/8 " Comented with 275 sx
	TOC: Surface feet determined by eale
	259 Nole size: 17-1/2"
	cnt
	referred 1958 Intermediate Casing
	Size: 9-5/8 " Cemented with 300 SX
	TOC: 2246 /600 feet determined by 50% calc
	3226 Hole Size: 12-1/4"
	48/8
	Long String
	cont.plug Size: 7 " Cemented with 550+550 cu ft SX
•	4975 perlite  TOC: 553 feet determined by 80% calc
•	Ts Ts
	%630 Hole Size: 8-5/8"
	Total Depth: 8530'
	Injection Interval
	feet to feet
•	(perforated or open-hole, indicate which)
Tubing size	lined with set in a
, <del>-</del>	(material)
(brand & mode	packer atfeet.
	other casing-tubing seal).
ther Data	
. Name of the	injection formation
. Name of Field	d or Pool (If applicable) Lovington Abo
1.	w well drilled for injection?  hat purpose was the well originally drilled?  Production
. llas the well	ever be perforated in any other zone(s)? List all such perforated d give plugging detail (sacks of cement or bridge plug(s)
. Give the dep	th to and name of any overlying and/or underlying oil or gas zones
(pools) in t	
AT	Part 1 . 1

Penròc OPERATOR	<del></del>	State E TR 18 LEASE
	,	
WELL NO.	FOOTAGE LOCA	
		Tubular Data
npleted -24-53	151×=11	Surface Casing
A'd		Size: 13-3/8 " Cemented with 265 SX
9-84	133/g	TOC: Surface feet determined by cale
		Hole size: 17-1/2"
		Intermediate Casing
		Size: 9-5/8 " Cemented with 300 SX
	95/8	TOC: feet determined by
	3299	Hole Size: 12-1/4"
	4920 -	Long String
•		+ 500 cs. ft pe Size: 7 " Cemented with 550 SX
	155x 218p 7'' 8520'	TOC: 2138 feet determined by calc
	3200' - 8320	Hole Size: 8-3/4"
		Total Depth: 8525'
	•	Injection Interval
		feet to feet
•		(perforated or open-hole, indicate which)
Tubing size	lined with	set in a (material)
_		packer atfeet.
(brand & mode (or describe any	al) other casing-tubin	ng seal).
Other Data	ge Maria de Caracteria de Cara	
	njection formation	
2. Name of Field	l or Pool (If appli	Louington Paddock
3. Is this a new If no, for wh	well drilled for the purpose was the	injection? No well originally drilled? Production
		i in any other zone(s)? List all such perforated tail (sacks of cement or bridge plug(s)
	·	
		any overlying and/or underlying oil or gas zones

Above Glorieta

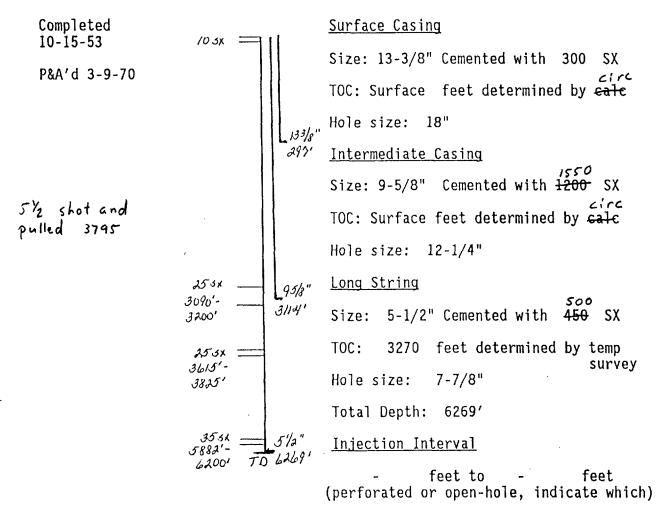
E. F. Moran I	.nc.		Shipp Stat	te "A"	
OPERATOR			LEASE		
1	330' FNL & 330'	FWL	5	17\$	37E
WELL NO.	FOOTAGE LOCATI	ON	SEC.	TOWNSHIP	RANGE
			<u>Tubular</u>	<u>Data</u>	
		Surface C	asing		
Completed		Size: 1	0-3/4" Cem	ented with	
Completed 3-1-50	310'	TOC: Surf	ace feet	determined	by calc
P&A'd 8-22-53		Hole size	: 13-3/4"		
5 1/2 pulled from		<u>Intermedi</u>	ate Casing		
1500	1500' <del></del> 153*	Size:	Cemen	ted with	SX
		TOC:	fe	et determi	ned by
		Hole size	:		
	4660'==== 5/2" 2551 4664'	Long Stri	ng		
	255x 14664'	Size: 5-1	/2" Cemen	ted with	400 SX
	4934'	TOC: 248	5 feet d	letermined	by 80% calc
		Hole size	: 7-7/8"		
		Total Dep	th: 4934'	•	•
		Injection	Interval		
		- (perforate		) – hole, indi	feet cate which
Tubing size -	lined with -	set in a	-		packer
at - feet.	(Or describe any	other casin	g-tubing s	seal).	

#### Other Data

- 1. Name of the injection formation: NA
- 2. Name of Field or Pool (If applicable) Lovington
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.
- 5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Sun Oil Com	Sun Oil Company		M. Caylor		
OPERATOR		LEASE			
6	902' FWL & 1980' FNL	6	175	37E	
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE	

#### Tubular Data



Tubing size

lined with - set in a

packer

at - feet. (Or describe any other casing-tubing seal).

#### Other Data

- 1. Name of the injection formation:
- 2. Name of Field or Pool (If applicable) Lovington Paddock
- 3. Is this a new well drilled for Injection?  $\underline{\text{No}}$  If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

(Above) Glorieta

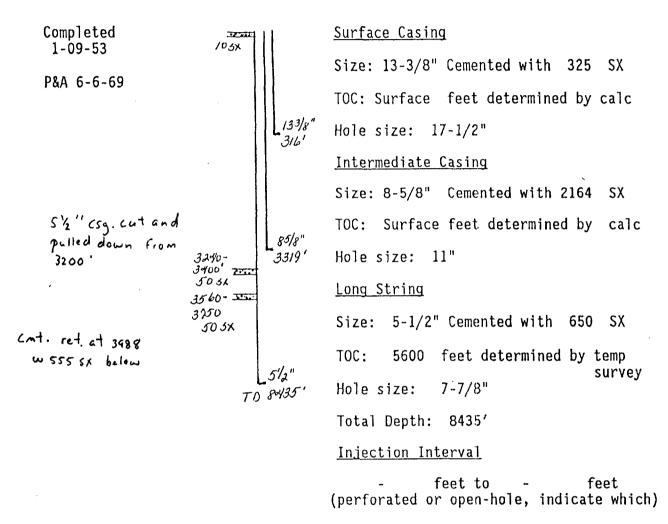
Tidewater.	Ge My S	tate "M"	
OPERATOR		Lease	
0 -	6201 mm 6 0001		
WELL NO.	630' FNL & 330' FEL FOOTAGE LOCATION	36 16S SEC. TOWNSHIE	ANGE RANGE
naba no.	Looking Looking	DEO! LONDICAL	AMAIN D
,		Tubular Date	
•	1054 프     Curfs		
ompleted	Surfa	ce Casing	
3-03-52	Size:	13-3/8". Comento	iwith 350 sx
&A 6-26-73		•	
	TOC:	Surface feet	determined by <u>calc</u>
	. Unio	size: 17-1/4"	•
"liner 4823 - 84	-0 .	8128.	
ω 400 sx.	13 1/8 Inter	mediate Casing	
ω 100 s <sub>λ</sub> ,	1 1	0-5/8" # C	1 2000 EV
	Size	January Cements	d with 3000 SX
	TOC:	Surface feet	determined by <u>calc</u>
•	1 1	Size: 12-1/4"	•
	4688 - Long	String	•
	4054		
			d with 400 SX
,,	1971 TOC:	5820 feet	determined by <u>C 103 r</u>
•	5657		,
	cosq ilole	Size: 8-3/4"	· ,
	i l	8/601	
	8148 - Tota	1 Depth: 8460'	
	V' 13 2 8 75 7	ction Interval	•
	8460		
	•	feet 1	
•	(per	forated or open-hole	indicate which)
Tubing size	lined with'	_	set in a
<del>-</del> .		(material)	
(brand & mode		at	feet.
	other casing-tubing seal	).	
•			,
Other Data			
1. Name of the	injection formation		•
			·
2. Name of Fiel	d or Pool (If applicable)	Lovington Abo	
2	or wall drillad for inter-	No No	•
	w well drilled for inject hat purpose was the well	LOM	Production
IL HO, LOL W	rian harhand was one warr	originary original	
	ever be perforated in an		
	d give plugging detail (s	tacks of cement or br	idge plug(s)
used.		•	·
•		•	
5. Give the dep (pools) in t	th to and name of any ove	erlying and/or underl	ying oil or gas zones

Re- plug es 43/2

#### INJECTION WELL DATA SHEET

Cities Serv	ice	State A	E	
 OPERATOR		LEASE		
2	3630' FNL & 4290' FEL	36	168	36E
 WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

#### Tubular Data



Tubing size - lined with - set in a

packer

at - feet. (Or describe any other casing-tubing seal).

#### Other Data

- 1. Name of the injection formation:
- 2. Name of Field or Pool (If applicable) Lovington Abo
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.
- 5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

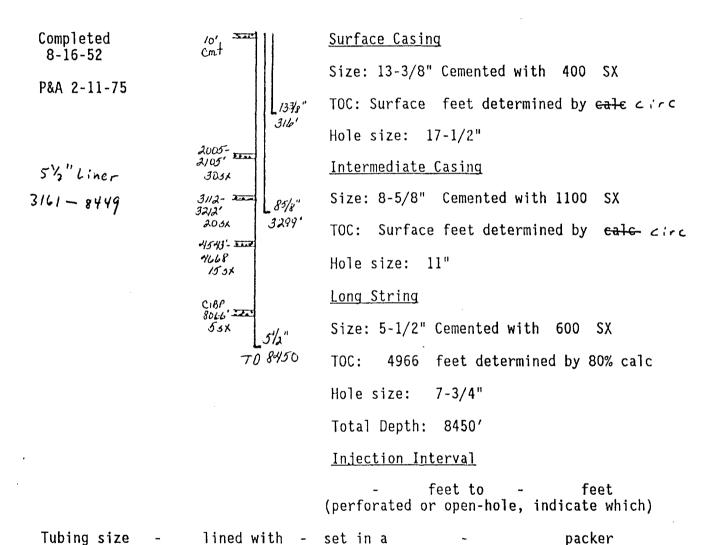
(Above) Drinkard

Replay as 1 5 4

#### INJECTION WELL DATA SHEET

	Getty		State "M	11	1	
_	OPERATOR		LEASE			
	3	1650' FSL & 1650' FEL	36	168	36E	
	WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE	

#### Tubular Data



Other Data

- 1. Name of the injection formation:
- 2. Name of Field or Pool (If applicable) Lovington Abo
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? <u>Production</u>

feet. (Or describe any other casing-tubing seal).

- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

(Above) Drinkard

	Greenhill Pe	troleum Corporation	Lovington	Paddock		
,	OPERATOR		LEASE			
	#53	330' FNL & 840' FEL	6	178	37E	
	WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE	

#### <u>Tubular Data</u>

Spud Date	1.11	Surface Casing
10-52		Size: 13-3/8" Cemented with 250 SX
		TOC: Surface feet determined by calc
	133/8"	Hole size:
•	258'	Intermediate Casing
		Size: 8-5/8" Cemented with 2100 SX
		TOC: 808 feet determined by temp
		Hole size:
	5010'	Long String
405x-140x-14,183	ρετο	Size: 5-1/2" Cemented with 230 SX
255x-13910-1379	6231'	TOC: 4116 feet determined by temp
25 13,445-13,527		Hole size:
25 - 12,952 - 13,034		Total Depth: 14,153'
25-16945-13,004 25-16194-11,276	5+ 15 olua	Injection Interval 6144 feet to 6194 feet (perforated or open-hole, indicate which)
25-10,586 11,076 25-10,581-10,565 25-10,583-10,587	TO 14,153	6144 feet to 6194 feet (perforated or open-hole, indicate which)
Tubing size 2-3/8"	lined with IPC	set in a packer

2-9654-8738

ા- કર્મ્ય દુકા√at 6094 feet. (Or describe any other casing-tubing seal). 2-- 743- 7697

Other Data

102-62W-Name of the injection formation: 6555

**Paddock** 

- 2. Name of Field or Pool (If applicable) <u>Paddock</u>
- Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.

No

Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Above Glorieta

Texaco		Skelly	"S" State		
 OPERATOR		LEASE	ı		
2 ·	990' FSL & 330' FEL	35	16\$	36E	
 WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE	

#### Tubular Data

Completed Surface Casing 12-29-52 Size: 13-3/8" Cemented with 240 TOC: Surface feet determined by calc 133/8 Hole size: 18" 240' Intermediate Casing Size: 8-5/8" Cemented with 1300 TOC: Surface feet determined by calc Hole size: 11" Long String 5-1/2" Cemented with 900 SX Size: feet determined by 80% calc 7-7/8" Hole size: Total Depth: 8471' Injection Interval feet to

- feet to - feet
(perforated or open-hole, indicate which)

Tubing size - lined with - set in a

packer

at - feet. (Or describe any other casing-tubing seal).

#### Other Data

- 1. Name of the injection formation:
- Name of Field or Pool (If applicable) <u>Lovington Abo</u>
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

(Above) Drinkard

Penroc · OPERATOR	State AE  LEASE
1	4950' FNL & 4290' FEL 36 16S 36E
WELL NO.	FOOTAGE LOCATION SEC. TOWNSHIP RANGÉ
	Tubular Data
Completed	Surface Casing
11-1-52	Size: 13-3/8 ~ Comented with 350 SX
	TOC: Surface feet determined by calc
	133/8 Hole size: 17-1/4"
	Intermediate Casing
	Size: 8-5/8 " Cemented with 1900 SX
	TOC: Surface feet determined by calc
,	Role Size: 11"
	3350' Long String
,	Size: 5-1/2 " Cemented with 400 SX
	TOC: 6251 feet determined by 80% ca
	Hole Size: 7-7/8"
	L 5 <sup>1</sup> / <sub>2</sub> "
	Injection Interval
	feet to feet _
m 4 f f	
Tubing size	lined with set in a (material)
(brand & mode	packer atfeet.
(or describe any	other casing-tubing seal).
Other Data	
1. Name of the	injection formation
2. Name of Fiel	d or Pool (If applicable) Lovington Abo
	No
3. Is this a ne If no, for w	w well drilled for injection?Production hat purpose was the well originally drilled? Production
4. Has the well	ever be perforated in any other zone(s)? List all such perforated d give plugging detail (sacks of cement or bridge plug(s)
(pools) in t	th to and name of any overlying and/or underlying oil or gas zones his area.

William 128
24 2-9 431

# INJECTION WELL DATA SHEET

Penroc	State "E" TR 18
OPERATOR	LEASE
19	1650' FNL & 990' FWL 1 17S 36E
WELL NO.	FOOTAGE LOCATION SEC. TOWNSHIP RANGE
	m 1 1
	Tubular Data
	Surface Casing
Completed	Size: 13-3/8 " Comented with 332 SM
7–29–53	
	TOC: Surface feet determined by calc
	13 <sup>3</sup> / <sub>8</sub> Hole size: 17-1/2"
	Intermediate Casing
	Size: $\frac{9-5/8}{1537}$ Cemented with $\frac{300}{75}$
	45% TOC: 1537 feet determined by 50% cal
	3298' Hole Size: 12-1/4"
	Long String
	+ 225 perlite
	Size: 7 " Cemented with 225 S
•	TOC: 6775 feet determined by temp su
	7" , Hole Size: 8-3/4"
	8530
	Total Depth: 8530'
. ,	Injection Interval
	feet to feet
	(perforated or open-hole, indicate which)
whine eiro	lined withset in a
ezia giiton	(material)
(1 1 1	packer atfeet.
(brand & mode or describe any	other casing-tubing seal).
ther Data	
. Name of the i	njection formation
Name of Field	or Pool (If applicable) Lovington Abo
. Is this a new If no, for wh	well drilled for injection? No Production at purpose was the well originally drilled?
. Has the well	ever be perforated in any other zone(s)? List all such perforated give plugging detail (sacks of cement or bridge plug(s)

Above Drinkard

Texaco		C. S. C	aylor	
OPERATOR		LEASE		
3 '	330' FNL & 2310' FEL	6	175	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

#### Tubular Data

Completed 6-17-52

#### Surface Casing

Size: 13-3/8" Cemented with 240 SX

TOC: Surface feet determined by calc

\_133/8" | \_2401

Hole size: 18"

#### Intermediate Casing

Size: 8-5/8" Cemented with 800 SX

TOC: 905 feet determined by 50% calc

Hole size: 12-1/4"

. 85/8" .3356'

Long String

ರ್ಯ d with **450** SX

Size: 5-1/2" Cemented with 450 SX

TOC: 3270 feet determined by temp

survey

Hole size: 7-7/8"

Total Depth: 8435'

TO 8435'

<u>Injection Interval</u>

- feet to - feet
(perforated or open-hole, indicate which)

Tubing size

lined with - set in a

packer

at - feet. (Or describe any other casing-tubing seal).

#### Other Data

- 1. Name of the injection formation:
- 2. Name of Field or Pool (If applicable) Lovington Abo
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used.
- 5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

(Above) Drinkard

Greenhill Petroleum Com OPERATOR	oration Lovingt LEASE	on San Andres	5	
·	1980' FSL 1	175	36E	
	GE LOCATION SEC.	TOWNSHIP	RANGE	•
Completed 12-7-41	Tui Surface Casing Size: 10-3/4" ~	bular Data Cemented wi	ith <u>175</u>	sx
P&A'd  5-22-87  Aucere 5'2" casing 2685-4150  th 200 ses.  ut 5'2' mt 2400'  pot 30 ses, 2450-2350  Pump \$80 ses. Picplaced down  15/8 to 1000'-	103/4"	15" ing Cemented w		sx
	Hole Size: 9  Long String  3092' 75/8"  Size: 5-1/2 "  TOC: 1235	' Cemented w	ith 300 cal	sx c
CEAP 131 466	Total Depth:	feet to	<del></del>	e <b>e</b> t
Tubing size 2" lin  Baker Model 'A'  (brand & model)	(perforated or compacted with IPC (mate packer at 4	erial)	dicate which)set i	in a
(or describe any other casi	-tubing seal).			
1. Name of the injection f	mationSan A	Indres		
2. Name of Field or Pool (	applicable) Lovingto	on San Andres		
3. Is this a new well dril If no, for what purpose	d for injection? No was the well originally o	drilled? Pr	oduction	
<del>-</del>	orated in any other zone ng detail (sacks of ceme	· ·	<del>-</del>	ted
5. Give the depth to and n (pools) in this area. Underlying-Gray	ne of any overlying and/o	or unde <b>rlyi</b> ng	g oil or gas zon	es

769 72- Physogus 1

	OPERATOR		d Oil Co.	H.T. Mon t	
	,			? .	0 3/6
	WELL NO.		FOOTAGE LOCAT	O 25 T	165 R 366 NSHIP RANGE
	NO.				·
				Tubular	Data
			= । १९११६.	Surface Casing	•
				Size: /03/4 " Com	ented with 300 S
18			300525	TOC: Surf.	feet determined by aic
U			10%	Hole size: 13 1/4	• • • • • • • • • • • • • • • • • • •
			10 7	Intermediate Casing	· · · · · · · · · · · · · · · · · · ·
				Size: 75/9 " Cen	ented with /200 S
			-5%		
			3428	0	feet determined by circ.
			+4167'	Hole Size: 978	e en en real acreticis increte de desentace de la constant de la c
		•		Long String	
			5/2	Size: 5½ " Cen	mented withS
	1	100 5XS 5150-4630	14689		feet determined by 80% o
•		5150- 7630	TD		Tear decermined by 80 19 c
			5150	Hole Size: 7 1/8	,
				Total Depth: 495	4 5150
		•		Injection Interval	
				(perforated or open-l	nole, indicate which)
r1.		ent state			
Luc	ing size		_ lined with'	(material	set in (
	/11 F		·	acker at	feet.
or	(brand & describe		casing-tubing	seal).	•
-h.	r Data		. •		
•	Name of t	he inject	ion formation		
•	Name of F	ield or P	ool (If appli	able) <u>San Andr</u>	es
•			drilled for rpose was the	njection? well originally drill	ed? production
•				in any other zone(s)? il (sacks of cement o	List all such perforated r bridge plug(s)

- 1. The proposed average and maximum daily rate and volume to be injected are 2000 PSI and 1500 BWPD.
  - 2. The system will be a closed system.
  - 4. The sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water is attached hereto as Exhibit "A".

#### WATER ANALYSIS REPORT

: GREENHILL PETROLEUM Company

Date : 8-22-90

Address

Date Sampled: 8-22-90

Lease Well

Analysis No. : 2

: LOVINGTON, NM : SENE SECRE TI6S R36E : PAD 18 35

: WINDMILL Sample Pt.

	ANALYSIS		mg/L		* meq/L
1.	рн 7.6			•	•
2.	H2S 0				
3,	Specific Gravity 1.001		0000	· ·	
4.	Total Dissolved Solids		2086.2		
5.	Suspended Solids		NR ·	•	
б.	Dissolved Oxygen		NR		
7.	Dissolved CO2		NR		
8.	Oil In Water	•	NR.		
9.	Phenolphthalein Alkalinity (C	CaCO3)			
10.	Methyl Orange Alkalinity (Cac	2031	•		
11.	Bicarbonate	нсоз	244.0	HCO3	4.0
12.	Chloride	Cl	1035.2	Cl	29.2
10.	Dulfale	504	200.0	SO4	4.2
14.	Calcium	Ca	350.0	Ca	17.5
15.	Magnesium	Mg	224.9	Mg	18,5
16.	Sodium (calculated)	Na	32.1	Na	1.4
		Fe	0.0	• 1 5	
17.	Iron				
18.	Barium	Ba	0.0		
19.		sr	. 0.0		
20.	Total Hardness (CaCO3)		1800.0	•	

#### PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter	Compound Equiv wt X meg/L = mg/L
17 *Ca < *HCO3 4	Ca(HCO3)2 81.0 4.0 324 CaSO4 68.1 4.2 283 CaCl2 55.5 9.3 516
19 *Mg> *SO4 4 4 1 *Na> *C1 29	Mg(HCO3)2 73.2 MgSO4 60.2
Saturation Values Dist. Water 20 C CaCO3 13 mg/L	MgCl2 47.6 18.5 881 NaHCO3 84.0 Na2SO4 71.0
CaSO4 * 2H2O 2090 mg/L BaSO4 2.4 mg/L	NaCl 58.4 1.4 82

Petrolite Oilfield Chemicals Group

Respectfully submitted, D. SWEATT

''A''

#### WATER ANALYSIS REPORT

Company : GREENHILL PETROLEUM Date : 8-22-90 Address : LOVINGTON, NM Date Sampled : 8-22-90

Lease : SENE SEC 2 TI7S R36E Analysis No. : 1

Well : S. A. #44 Sample Pt. : WINDMILL

	ANALYSIS	•	mg/L	,	* meg/L
1.	рН	7.5			
2.	H2S	0			
з.	Specific Gravity	1.001			
4.	Total Dissolved Solid	В	2222.8		
5.	Suspended Solids		NR '		
6.	Dissolved Oxygen		NR		
7.	Dissolved CO2		NR		
8.	Oil In Water		· NR		
9.	Phenolphthalein Alkal:	inity (CaCO	3)		
10.	Methyl Orange Alkalin		•		
11,	Bicarbonate	HCC	244.0	HCO3	4.0
12.	Chloride	Cl	917.6	Cl	25.9
13.	Sulfate	504	325,0	SO4	6.8
14.	Calcium ·	Ca	720.0	Ca	35.9
15.	Magnesium	Mg	0.5	Mg	0.0
16.	Sodium (calculated)	Na	15.7	Na	0.7
17.	Iron	Fe	0.0		
18.	Barium	Ва	0.0		
19.	strontium	Sr	0.0		
20-	Total Hardness (CaCO)	) .	1800.0		

#### PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter	Compound Equiv wt X meq/L = mg/L
36 *Ca < *HCO3 4> 0 *Mg> *SO4 7 1 *Na> *C1 26 Daturation Values Dist. Water 20 C	Ca(HCO3)2 81.0 4.0 324 CaSO4 68.1 6.8 461 CaC12 55.5 25.2 1396 Mg(HCO3)2 73.2 MgSO4 60.2 MgCl2 47.6 0.0 2 NaHCO3 84.0
CaCO3 13 mg/L CaSO4 * 2H2O 2090 mg/L BaSO4 2.4 mg/L	Na2SO4 71.0 NaCl 58.4 0.7 40

#### REMARKS:

Petrolite Oilfield Chemicals Group

Respectfully submitted, D. SWEATT

#### VIII Geologic Data

The zone of interest for this application to inject is the Paddock interval of the Glorieta Formation. In the area of the Lovington Field Paddock Unit, the Paddock interval is found at an average depth of 6150' and consists of light brown, finely crystalline dolomite, with thin lenticular fine-grained sandstone beds interbedded with the dolomite. Attached is a type log from the Lovington Field Paddock Unit. The well log (LPU #36) is an injection well and shows two main zones within the field unit where water has been injected.

The only known underground source of fresh water in the Lovington Field Paddock Unit Area is the Ogalalla Formation. The approximate base of the formation is 200'. No source is known to be immediately underlying the proposed injection interval.

WELL NAME - SKELLY STATE 0#19 (LPF#36)
LOCATION - 660 FSL 2160 FEL 31-16S-37E
WELL DATA - KB, ELEV. DF 3816, TD 6245, 5-1/2 6050
LOGS - LANE RA 12-6-53
LOG PARAMETERS
DATA FILE NAME: b:lpf36.cm1

DATE OF PLOT: 10/ 3/1990

DEPTH	GR53	FHIN	±₩74	
	0 100	.20	0 0 100	
	GR71 0 100		%I71 0 100	
	\(\frac{1}{2}\)	W~~)//		
	\$ \$ \$			
6000				TOP GLORIETA FM
6100				INJECTION PROFILE
6200				

# PROPOSED STIMULATION PROGRAM FOR CONVERSIONS FROM PROCEDURES TO INJECTION WELLS LOVINGTON PADDOCK UNIT LEA COUNTY, NM

- 1. MIRU PU w/reverse unit. Check and report pressure on casing strings. Inspect wellhead connections for condition and pressure rating. Insure all casing valves are at least 2000 psig W. P. Pull and lay down rods and pump.
- 2. Rig up and pressure test BOP to 3000 psig for 5 min. Pull tubing and TAC. Lay down TAC.
- 3. PU bit, casing scraper and collars and TIH to 200' above casing shoe. Scrape casing to 10 ft. above shoe. Do not go below casing shoe with scraper. POOH and lay down scraper. TIH to 10 ft. above casing shoe and circulate hole clean with clean water. Rotate and clean out bottom of open-hole interval below casing shoe.
- 4. Spot enough 20% NEFE HCL acid to cover the open-hole interval. Slowly pull bit above top of acid and POOH.
- 5. Rig up perforating contractor. String shoot water flood intervals w/400 grains per foot primacord. TIH with bit and tubing and circulate open hole interval clean to TD w/water. POOH laying down workstring.
- 6. PU new 2 3/8" IPC tubing string w/new water flood packer and TIH to 20' above casing shoe. Circulate inhibited fresh water into tubing-casing annulus and set packer. Pressure test annulus to 500 psig for 5 min. Release pressure. RD BOP and install waterflood and wellhead.
- 7. Pressure test annulus per NMOCD requirements. Release rig.
- 8. Rig up acid contractor and treat below packer with 15 tons  ${\rm CO_2}$  and 3000 gal. 20% NEFE HCL acid using diverter in 3 stages. Flow well back to recover load and clean-up formation. SI well.
- Install wellhead filter cartridge housing and filter. Hook up new water injection line.
- 10. Put well on injection. When rate and pressure stabilize, run water injection survey.

江

Martin Water Laboratories, Inc.

P. O. BOX 1468 MONAHANS, TEXAS 79756 PH. 943-3234 OR 563-1040

#### BEAUT OF WATER ANALVERS

709 W. INDIANA MIDLAND, TEXAS 79701 PHONE 683-4521

RESULT OF WA	IEK VINCIDED		
o: Mr. Dan Westover 12777 Jones Road, Suite 375, Houston, TX	LABORATORY NO SAMPLE RECEIVE RESULTS REPOR	1189311 ED 11-27-89 TED 12-4-89	
COMPANY Greenhill Petroleum Corporation L LOVING	EASE <u>Lovingtor</u>	ı San Andres Un	it
SECTION BLOCK SURVEY COUNT	Lea	STATE NM	
NO. 2 Produced water - taken from injection	ı pump discharge		
NO. 3		<del></del>	
NO. 4			
CHEMICAL AND PHYS	CAL PROPERTIES		
NO	1 NO. 2	NO. 3	NO. 4

CHEMIC	CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4	
Specific Gravity at 60° F.	1.0160				
pH When Sampled	6.8	·			
pH When Received	6.90				
Bicarbonate as HCO3	1,464			•	
Supersaturation as CaCO3	70				
Undersaturation as CaCO3					
Total Hardness as CaCO3	5,700				
Calcium as Ca	1,540				
Magnesium as Mg	450			٠,	
Sodium and/or Potassium	5,369				
Sulface as SO4	2,358				
Chloride as Cl	9,730			•	
Iron as Fe	0.32	•			
Barium as Ba	0				
Turbidity, Electric	72				
Color as Pt	56				
Total Solids, Calculated	20,910				
Temperature *F.	67				
Carbon Dioxide, Calculated	381			<del></del>	
Dissolved Oxygen, - chemets	0.000				
Hydrogen Sulfide	480				
Resistivity, ohms/m at 77° F.	0.420				
Suspended Oil	15				
Filtrable Solids as mg/1	22,9				
Volume Filtered, ml	850				

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks The above results show no direct or indirect evidence of air contamination in this study, therefore indicating effective control against this condition is being accomplished. Our microscopic study of the filtrable solids showed them to be essentially all a very fine paraffin, therefore indicating no particular significance to the higher quantity we have encountered as compared to recent studies. We have identified no evidence of any other development of concern and therefore see no need to make any changes at this time.

Form No. 3

cc: Mr. Bryant Bradley, Ozark Training

& Consulting, Austin

Mr. Cy Jones, Hobbs

By Waylan C. Martin, M.A.

XI

. P. O. BOX 1468 MONAHANS, TEXAS 79756 PH. 943-3234 OR 563-1040

# Martin Water Laboratories, Inc.

709 W. INDIANA MIDLAND, TEXAS 79701 PHONE 683-4521

#### RESULT OF WATER ANALYSES

	LI UP HAJER	MMMLIBES	0.000		
	L.	ABORATORY NO.	98943	·	
ro: <u>Nr. Dan Westover</u>	S	SAMPLE RECEIVED			
12/1/ Jones Road, Juice Jij, nodsco	n, TX F	RESULTS REPORTE	D-2-3-		
Additional of the second of the second					
COMPANY Greenhill Petroleum Corporat	ion LEASE	Lovington Pad	dock/San And	res Unit	
FIELD OR POOL	Lovington		the second		
SECTION BLOCK SURVEY	COUNTY	Lea .	STATE NM		
SOURCE OF SAMPLE AND DATE TAKEN:					
NO. 1 Raw water - taken from water	supply well	#1. 9-1-89	ULB SI TI	75 R 26 F	
NO. 2 Raw water - taken from water	30pp=) "322		0, 1, 1,	3 1 26 E	
NO. 3 ;					
NO. 4	· · · · · · · · · · · · · · · · · · ·				
REMARKS:					
with talker - language of CHEMICAL /	AND PHYSICAL	PROPERTIES			
and the ten late to be well a final of the second	NO. 1	<del></del>	NO. 3	NO. 4	
Specific Gravity at 60° F.	1.0025	1.0018	<u> </u>		
pH When Sampled	7.2	7.4	<u>†                                      </u>		
pH When Received	7.03	7,34		<del> </del>	
Bicarbonate as HCO3	229	249	1		
2 Supersaturation as CaCO3	8		4. 224		
Undersaturation as CaCO3	<del></del>		<del>                                     </del>		
Total Hardness as CaCO3	370				
Calcium as Ca	120	51	<del>                                     </del>	<del></del>	
Magnesium as Mg to 1954 AP	17:17	<del></del>	M. C.		
Sodium and/or Potassium	171	130			
Sulfate as 504	99	89			
Chloride as CI	320	107		<del>                                     </del>	
Iron as Fe.	0.48	0.64			
Barium as Ba	0.40	0			
Turbidity, Electric description and a service of the service of th	3	5		<del> </del>	
Color as Pt	7	3		<del> </del>	
Total Solids, Calculated	956	<del></del>	218 2 1 2 8 m	<del> </del>	
Temperature °F.	65	66			
Carbon Dloxide, Calculated	25		20 Can : 40	<del>                                     </del>	
Dissolved Oxygen Winkler - Chemets	4.7	3.0	200 100	<del> </del>	
Hydrogen Sulfide	0.0	0.0		<del> </del>	
Resistivity, ohms/m at 77° F.		<del></del>	<del> </del>	<del> </del>	
Suspended Oil	6.75	12.25	<del>                                     </del>	<del> </del>	
Filtrable Solids as mg/j neg 1	-2.1	- > 1941-3;2-2	3 - 3 - 3 -		
Volume Filtered, ml / 2	10.000		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	The second	
	10.000 -	1.000	<del>                                     </del>		
	<del>                                     </del>		<del>                                     </del>	<u> </u>	
	<del>                                     </del>		<del> </del>		
Results	Reported As Milligra	ıms Per Liter		<del></del>	
Additional Determinations And Remarks The prim			ove results	at water	
well #1 is that we again identifie					
solids. This generally confirms t					
on laboratory #789270 that the pre-					
identified no significant sand in					
eral, we find the current chemical					
satisfactory, thereby indicating n					
	<del></del>	<u> </u>			
			<del></del>		

Form No. 3

cc: Mr. Bryant Bradley, Ozark Training

& Consulting, Austin

Mr. Cy Jones, Hobbs

#### Calcium Carbonate Scale Prediction Lovington San Andres Unit Paragon Engineering Services

Water "A": 50% Lovington WSW 1.+50% WSW #2, Analysis No. 1188285 Water "B": Calculated produced water analysis assuming injection water

is 56% produced & 44% source. Analysis No. 1188290

Analysis: Martin Water Laboratories, Inc.

Date Reported: 12/07/88.

# Hypothetical Composition of Mixed Waters mg/l

% Water "A" % Water "B"	100 0	80 20	44 756	40 60	20 80	0 100
Components:						~
CATIONS						
Calcium, Ca	138.50	646.18	1560.00		2169.21	
Magnesium, Mg	15.50	122.82	316.00	337.46	444.79	552.11
Iron, Fe	1.09	1.74	2.90	3.03	3.68	4.32
Barium, Ba	0.00	0.00	0.00	0.00	0.00	0.00
Sodium, Na	150.00	1931.43	5138.00	5494.29	7275.71	9057.14
ANI ONS			•		•	
Chloride, Cl	323.00	3555.86	9375.00	10021.57	13254.43	16487.29
Sulfate, SO4	99.50	655.04	1655.00	1766.11	2321.64	2877.18
Carbonate, CO3	0.00	0.00	0.00	0.00	0.00	0.00
Bicarbonate, HCO3	223.00		1745.00	1853.71	2397.29	2940.86
Tot. Dsol'd Solids	950.59	7679.63	19791.90	21137.71	27866.75	34595.79
Measured pH Values	7.00		6.70			
	10000000		5011872.34			• :
$H+ = 1/10^{\circ} pH$		.0000001355	.0000001995	000000207	000000242	000000278
1/H+ ≈ 10°pH	.0000001	7377619.17				3600678.77
				86.6		
Calculated pH Values		გ.87		0.00	0.02	0.30

#### Calcium Carbonate Solubility Calculation.

Calculate molar ionic strength of water, (u).
 (u) = sum of (mg/l x Conv. Factor) for all ions.

	u :	= .	.02	.15	.40	.42	.56	.69
HCO3		<b>.000</b> 008	.001784	.006133	.013960	.014830	.019178	.023527
C03		.000033	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
S04		.000021	.002090	.013756	.034755	.037088	.048754	.060421
Cl		.000014	.004522	.049782	.131250	.140302	.185562	.230822
Na		.000022	.003300	.042491	.113036	.120874	.160066	.199257
Ba		.000015	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Mg		.000082	.001271	.010071	.025912	.027672	.036472	.045273
Ca		.00005	.006925	.032309	.078000	.083077	.108461	.133845
		Factor						
-		Conv.						

### Calcium Carbonate Stability Index (Cont.)

Water: "A" Water: "B"	100 0	80 20	44 56	40 60	20 80	0 100~
2. Determine K from S by this program fr			; pCa and pA	lk are calc	ulated	
•	mols Ca++/Liter /Equiv. Total A					•
Temperature:	80F ( 120F	26.7C) (49C)			•	
Look Up K:						
K for 80F	2.06	2.60	3.07	3.08	3.21	3.29
K for 120F	1.68	2.16	2.56	2.58	2.70	2.78
Calculated pCa	2.46	1.79	1.41	1.38	1.27	1.18
Calculated pAlk	2.44	1.90	1.54	1.52	1.41	1.32
3. Calculate the Stin	ff & Davis CaCO3	Stabillity	Index (SI).			
SI = pH - (K + pCa)	a + pAlk)					•
(K + pCa + pAlk)						
At 80F =	6.96	6.29	6.02	5.98	5.88	5.78
At 120F =	6.58	5.85	5.51	5.48	5.37	5.27
CaCO3 SI =		-		•		

 $SI = Calcium\ Carbonate\ Stability\ Index.\ A\ positive\ value\ indicates\ the$  water has a tendency to precipitate CaCO3 under these conditions. A negative SI indicates the water is non-scaling.

Note: All calculations above are made and stored in the computer to eleven significant figures. Only eight decimal places are shown in this print out.

.04 {

.42

At 80F =

At 120F =

Calculation of Oddo & Thomson CaCO3 Scaling Index - Is
Two Phase System (Water & Gas)
Oddo and Thomson Method
Lovington San Andres Unit
Paragon Engineering Services

Water: Calculated produced water composition. See CaCO3 calculation. Analysis: Martin Water Laboratories, Inc. No. 1188286 Date Reported: 12/07/88.
Approximate Location in System: Reservoir:

Is = D + (1.549 x  $10^{-2}$  x T) - (4.26 x  $10^{-6}$  x  $T^{2}$ ) - (7.44 x  $10^{-5}$  x P) + 0.919u - 2.52(u) $^{0}$ .5 + 5.89

> P = 2000.00 psia X = .05 Mole Fraction CO2 Ca = .066755 Moles/1 Alk = .048211 D = -5.80922 log((C)(Alk)^2/(P)(X)]

T = 120.00 Temp, F u = .69 Molar Ionic Strength

C = Ca(mg/1)/40100 = .066755 A1k = (HCO3 + CO3(mg/1))/61000 = .0482108 $D = log(((C)(A1k)^2/((P)(X))) = -5.80922$ 

Variable	Value x Constant	t =	Product
		-	
D	-5.80922 1.00	=	-5.81
Т	120.00 .01549	=	1.86
(T)(T)	14400.00000004	=	06
Р	2000.00000074	==	15
u	.69 .919	=	.63
(u)^0.5	.8306624 -2.52	=	-2.09
			5.89

Sum = 1s = .27

Sam OPER	edan ATOR	Oil C	orp.	Cay lor LEASE
WELL	NO.	330	Feet South of FOOTAGE LOCA	North Line 330 Feet Fast of West Line of St/4 Sec. 6, T/7  TION SEC. TOWNSHIP RANGE  Tubular Data  Surface Casing  Size: /3 _ " Cemented with250SX  TOC: feet determined by
				Tubular Data
			<b>□</b> 1057C	Surface Casing
				Size: /3 " Cemented with 250 SX
o ' •			13"	TOC: Suface feet determined by cuculate
P ; A 6/25/39			L290'	Hole size: /5
0/20/3/			H00 255X5	Intermediate Casing
	1	71415 72		Size: 18 8 1/8" Cemented with 500 SX
			8 5/8	TOC: feet determined by
			3154	Hole Size: /O
		· 3X ·	#3550'   5212' (	Hole Size:
			. Ziett	Size: 5½ " Cemented with 200 SX
		55xs =	51/2	TOC: 2814 feet determined by 80% (a)
			4660	Hole Size:7
			- 500S	Total Depth: 5005
				Injection Interval
				feet to feet (perforated or open-hole, indicate which)
Tubing si	lze	·····	lined with	(material) set in a
				packer atfeet.
•	d & mod Lbe any	•	casing-tubin	g seal).
Other Data	<u>a</u>			
1. Name o	of the	injecti	on formation	
2. Name o	of Fie	ld or Po	ool (If appli	cable)
				injection? well originally drilled?
				in any other zone(s)? List all such perforated ail (sacks of cement or bridge plug(s)
		pth to a		ny overlying and/or underlying oil or gas zones



STATE OF NEW MEXICO

# ENERGY AND MINERALS DEPARTMENT

190 NOR 15 HA 9 34 OIL CONSERVATION DIVISION HOBBS DISTRICT OFFICE

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 1360 HOBBS, NEW MEXICO 88241-1980 (505) 393-6161

OIL CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501	# de-F 26-1
RE: Proposed: MC DHC NSL NSP	また。 主が、年 また、まで きおがら ないから かない。 ではない。 ではない。 ではない。 かめいが、よい、 かめいが、よい、 かめいが、よい、 かめいが、ない、 かめいが、ない、
Gentlemen:	
I have examined the application for the:  Operator Lease & Well	No. Unit S-T-R
•	NO. UNIC 5-1-K
and my recommendations are as follows:	THE SANKEY
Francisco Constitution of the Constitution of	
Yours very truly,  Jerry Sexton Supervisor, District 1	

OPERATOR	LEASE
1-5 WELL NO.	2310 FSL & 530 FWL 5 T17S-R37E  FOOTAGE LOCATION SEC. TOWNSHIP RANGE
	Tubular Data
Completed	Surface Casing
	10 5x5 Size: 8 5/8 " Cemented with 175 . s
12/61	TOC: Surface feet determined by circ.
	Hole size: 10 3/4
No info. s listed as to	25 5x5 Intermediate Casing
e long string at was set.	360' 342 Size: " Cemented with S
·	Hole Size:
	Size: " Cemented with S
,	TOC: feet determined by
	Hole Size:
_	5 5x5 - 4052 HOW TD Total Depth: 4052
•	Injection Interval
	feet to feet (perforated or open-hole, indicate which)
Tubing size	lined withset in aset in a
•	packer atfeet.
(brand & mo (or describe an	del) y other casing-tubing seal).
Other Data	
1. Name of the	injection formation
	ld or Pool (If applicable) San Andres
	No
Is this a n If no, for	what purpose was the well originally drilled? production
4. Has the wel	l ever be perforated in any other zone(s)? List all such perforated nd give plugging detail (sacks of cement or bridge plug(s)
5. Give the de (pools) in	pth to and name of any overlying and/or underlying oil or gas zones this area.
	Grayburg



# X

#### GREENHILL PETROLEUM CORPORATION

12777 JONES ROAD, SUITE 375 HOUSTON, TEXAS 77070 TELEPHONE (713) 955-1146 FAX (713) 955-5105

Incorporated in Delaware U.S.A.

February 11, 1991

State of New Mexico Energy & Mineral Dept. P.O. Box 2088 Santa Fe, NM 87501

Attn: David Catanach

Re: Lovingcon Paddock

Lea County, NM

Enclosed find copies of the certified receipts which indicates all the offsetting owners have been contacted in regards to the conversion from producers to injection wells in the Lovington Paddock Area. I will forward the proof of publication when I receive it from the newspaper. Please advise if I may provide you with additional information

Sincerely,

Michael J. Newport

Landman

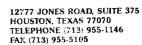
MJN:jb Enclosure

from being returned to you. The return receipt fee will provide	you the name of the purson delivered to and	Put your address in 2"RETURN TO" Space on the reverse s from being returned to you. The return receipt fee will provide y	de. Failure to his will prevent this card ou the name of the person delivered to and
the date of delivery. For additional fees the following service and check box(es) for additional service(s) requested.  1. [] Show to whom delivered, date, and addressee is addressee in the control of	s are available. Consult postmaster for fees	the date of delivery. For additional fees the following services and check box(es) for additional service(s) requested.  1. () Show to whom delivered, date, and addresses addresses addresses addresses and the service (Extra charge)	are available. Consult postmaster for fees
3. Article Addressed to: UNOCAL 500 Executive Paza West	4. Article Number  9375 07950  Type of Service:  Registered Insured Certified COD	3. Article Addressed to:  1. PO BOV 3092	4. Article Number P375679566  Type of Service: Registered Certified,
4615 SW. Freeway HoustonTk 77027	Express Mail Return Receipt for Merchandise  Always obtain signature of addressee or agent and DATE DELIVERED.	Houston Tk 77253	Express Mail Berurn Receipt for Merchandise  Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature — Addressee  X  6. Signature — Adent	8. Addressee's Address (ONLY if requested and fee paid)	5. Signature – Addressee X 6. Signature – Agent	8. Addressee's Address (ONLY if requested and fee paid)
X  7. Date of Delivery	-	7. Date of DeliverNOV 1 5 1990	
PS Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-81	5 DOMESTIC RETURN RECEIPT	PS Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-815	DOMESTIC RETURN RECEIPT
SENDER: Complete items 1 and 2 when additional s 3 and 4.  Put your address in the ETURN TO" Space on the reverse services.		SENDER: Complete items 1 and 2 when additional s 3 and 4.  Put your address in theETURN TO'' Space on the reverse s	ide. Failure to do to will prevent this card
from being returned to you. The return receipt fee will provide the date of delivery. For additional fees the following services and check boxies) for additional service(s) requested.  1. Show to whom delivered, date, and addressee's additional service(s).  3. Article Addressed to:	are available. Consult postmaster for fees	from being returned to you. The return receipt fee will provide the date of delivery. For additional fees the following services and check box(es) for additional service(s) requested.  1.  Show to whom delivered, date, and addressed and (Extra charge)  3. Article Addressed to:	are available. Consult postmaster for fees
anco P.O Boox 1610	Type of Service:  Registered Insured	Mobil Exploration 12450 Greenspoint Dr. Howston Dx 77060-1991	Type of Service:  Registered Insured  Certified COD
midland DK 19702	Certified COD Express Mail Return Receipt for Merchandise  Always obtain signature of addressee	Howston Ox 77060-1991	Express Mail Receipt for Merchandise  Always obtain signature of addressee
5. Signature — Addressee	8. Addressee's Address (ONLY if requested and fee paid)	5. Signature — Addressee	or agent and DATE DELIVERED.  NUMBER OF THE PROPERTY OF THE PR
7. Date of Delivery  NOV 15 1990		6. Signature - Agent  X  7. Date of Delivery	6 5 3 P
PS Form <b>3811</b> , Apr. 1989 *U.S.G.P.O. 1989-238-815	DOMESTIC RETURN RECEIPT	PS Form 3811, Apr. 1989 + u.s.G.P.O. 1989-238-815	DOMESTIC RETURN RECEIPT
SENDER: Complete items 1 and 2 when additional 3 and 4.		SENDER: Complete *tems 1 and 2 when additional s	`
Put your address in theTURN TO'' Space on the reverse from being returned to you. The return receipt fee will provide the date of delivery. For additional fees the following service and check box(es) for additional service(s) requested.  1. Show to whom delivered, date, and addressee's a (Extra charge)	s are available. Consult postmaster for fees	Put your address in the	you the name of the person delivered to and sare available. Consult postmaster for fees dress.  Restricted Delivery (Extra charge)
3. Article Addressed to:	4. Artigin Number 37567570  Type of Service:	3. Article Addressed to:	4. Article Number 9375/09572 Type of Service:
10 Desta Dr. Ste., 240 East	Registered Insured Certified COD Express Mail Peturn Receipt for Merchandise	333 Bennar Ste, 970	Registered Insured Certified COO Express Mail Return Receipt for Merchandise
Midland TK 79705  5. Signature – Addressee	Always obtain signature of addressee or agent and DATE DELIVERED.  8. Addressee's Address (ONLY if requested and fee paid)	FLOUSTON TK 7060  5. Signature - Addressee  X	Always obtain signature of addressee or agent and DATE CREATERED.  8. Addressee & Montes SOLINLY if rigidal signatures for a property of the control of the
X 6. Signature Agent X	- Tryacant and jee jama)	6. Signature Agent X Agent Willow	
7. Date of Delivery	DOMESTIC DETUDN DESCRIPT	7. Date of Delivery 1/5/90 PS Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-81	S DOMESTIC RETURN RECEIPT
SENDER: Complete items 1 and 2 when additional			
3 and 4. Put your address in the URN TO'' Space on the reverse from being returned to you. The return receipt fee will provid the date of delivery. For additional fees the following servic and check box(es) for additional service(s) requested.  1. Show to whom delivered, date, and addressee's a (Extra charge)	e side. Failure to do thi	SENDER: Complete items 1 and 2 when additional 3 and 4.  Put your address in the 'URN TO' Space on the reversified being returned to you. The return receipt fee will provid the date of delivery. For additional fees the following service and check box(es) for additional service(s) requested.  1. Show to whom delivered, date, and addressed is a	e side. Failure to do this prevent this card e you the name of the person delivered to and es are available. Consult postmaster for fees
3. Article Addressed to: TEXUCO USA OO ROY 3100	4. Article Number 079 546 Type of Service:	3. Article Addressed to:	(Extra charge)  4. Article Number P375679 567
Midland DL 79702	Registered Insured COD Express Mail Receipt for Merchandise	EF MORAN INC. 4200 E. SKELLY DR. STE, 280	Type of Service:  Registered Insured Certified COD Express Mail Receipt for Merchandise
5. Signature Addressee	Always obtain signature of addressee or agent and DATE DELIVERED.  8. Addressee's Address (ONLY if requested and fee paid)	TUISA OK 74135,  5. Signature - Addressee	Always obtain signature of addressee or agent and DATE DELIVERED.  8. Addressee's Address (ONLY if
6. Signature Agent		X In D. Nacher  6. Signature - Agent  X	requested and fee paid)
7. Date of Delivery <b>NOV 1 9 1990</b> PS Form <b>3811</b> , Apr. 1989 *U.S.G.P.O. 1989-238-8	DOMESTIC RETURN RECEIPT	7. Date of Delivery	
frut your address in 'RETURN TO' Space on the reverse from being returned to you. The return receipt fee will provide the date of delivery. For additional fees the following services and check boxles) for additional service(s) requested.  1. Show to whom delivered, date, and addresses addresses and (Extra charge)	side. Failure to do aus will prevent this and you the name of the person delivered to are available. Consult postmaster for an are available. Restricted Delivery	PS Form 3811, Apr. 1989 ★U.S.G.P.O. 1989-238-8  from being returned to you. The return receipt fee will provide the date of delivery. For additional fees the following service and check box(es) for additional service(s) requested.  1. □ Show to whom delivered, date, and addresses a (Extra charge)	e you the name of the person delivered to and es are available. Consult postmaster for fees
Rebble Ca Caylor Rice	4. Article Number  7. 315 6 19545  Type of Service:	3. Article Addressed to: Phillips Petroleym	4. Article Number 315419548  Type of Service:
H.3 BOY 2254	Registered Insured Cop Certified Cop Express Mail Feturn Receipt for Merchandis.	POBOX 1967 Lloudon DX 7725+1967	Registered Insured COD Express Mail Acturn Receipt for Merchandise
BUT do LUNO PA 19508  5. Signature Addressed	Always obtain signature of addressee or agent and DATE DELIVERED.  8. Addressee's Address (ONLY):	5. Signature – Addressee	Always obtain signature of addressee or agent and <u>DATE DELIVERED</u> .  8. Addressee's Address 'ONLY if
6. Signature – Agent X	requested and fee paid)	6. Signature – Agent	requested and fee paid)
7. Date of Delivery 17 - 16 - 90 orm 3811, Apr. 1989 *U.S.G.P.O. 1989-238-815		7. Date of Delivery NOV 1 5 1998	
orm 38 11, Apr. 1989 ★U.S.G.P.O. 1989-238-815	DOMF', TIC RETURN RECE	PS Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-81	5 DOMESTIC RETURN RECEIP
<del>.</del>			

Put your address in the LTURN TO'' Space on the reverse from being returned to you. The return receipt fee will provide the date of delivery. For additional fees the following services	side. Failure to do the rill prevent this card	from being	f delivery. For additional	fees the following service	side. Failure to do thi prevent this card you the name of the produced to and eas are available. Consult postmater for fees
and check box(es) for additional service(s) requested.  Show to whom delivered, date, and addressed's ad (Extra charge)		and check 1, Sh	ow to whom delivered.	rvice(s) requested. date, and addressee's a charge)	ddress. 2. Restricted Delivery (Extra charge)
3. Article Addressed to:	4. Article Number	1	Addressed to:		4. Article Number 3 75 6 79 5 13
Orific Energy Co. POBOL 1861	Type of Service:	1 '	XACO		Type of Service:
P.OBOL 1861	Registered Insured Certified COD	PO	BOX 3109		Certified COD  Express Mail Receipt for Merchandise
Midland Dr 79702-1861	Express Mail Always obtain signature of addressee	M	DUAND,	79702	Always obtain signature of addressee
	or agent and DATE DELIVERED.		Addresses		or agent and DATE DELIVERED.  8. Addressee's Address (ONLY if
5. Signature — Addressee	8. Addressee's Address (ONLY if requested and fee paid)	X Signa	iture — Addressee		requested and fee paid)
6. Signature Agent		6. Sign	Hure - Agent		PUPLICATE
7. Date of Delivery NOV 1 9 1990		7. Date	of Delivery	NOV 1 9 1990	1
PS Form 3811, Apr. 1989	DOMESTIC RETURN RECEIPT	PS Form	<b>3811</b> , Apr. 1989	± U.S.G.P.O. 1989-238-	DOMESTIC RETURN RECEIP
	The second section of the second seco		en man en de section de la companya del la companya de la companya	and the state of t	and the second s
3 and 4.	services are desired and complete items	3 and 4			ervices are desirer and complete items
Put your address in the "HETURN TO" Space on the reverse from being returned to you. The return receipt fee will provide the date of delivery. For additional fees the following service	you the name of the person delivered to and	from being re	eturned to you. The return	es the following services	de. Failure to do tr. will prevent this card ou the name of the person delivered to and are available. Consult postmaster for fees
and check box(es) for additional service(s) requested.  1. Show to whom delivered, date, and addressee's ac (Extra charge)		and check b	ox(es) for additional servi v to whom delivered, da (Extra ch	te, and addressee's add	ress. 2. 🗀 Restricted Delivery (Extra charge)
3. Article Addressed to: LP application &	4. Article Number	3. Article A	Addressed to:		4. Article Number 215679552
PRUCO	Type of Service:	Pen	10C.		Type of Service:  Registered Insured
POBOX 3109 Midland TX 79702	Registered Insured Certified COD	P.O. 1	30K 5970	11	Certified COD
11101anu 1x 19702	Express Mail Peturn Receipt for Merchandise  Always obtain signature of addressee	5014	Carlsbao	Hay.	Always obtain signature of addressee
5. Signature — Addressee	or agent and DATE DELIVERED.  8. Addressee's Address (ONLY if	Hobbs	13 mm 883	241	or agent and DATE DELIVERED.  8. Addressee's Address (ONLY if
X	requested and fee paid)	5. Signatu	re – Addressee	No.	requested and fee paid)
6. Signature — Agent X		6. Signatu	Agent		
7. Date of Delivery		7. Date o	Delivery C		
S Form <b>3811</b> , Apr. 1989 *U.S.G.P.O. 1989-238-81	DOMESTIC RETURN RECEIPT	PS Form 38	311, Apr. 1999	± U.S.G.P.O. 1989-238-81	DOMESTIC RETURN RECEIPT
· · · · · · · · · · · · · · · · · · ·	and the special section of the second section of the section of the second section of the section of the second section of the section o	garatus, terra, rock y magazaka Montadha 1948	Residential and the second sec	د مدار درد. در موهندانجار وموسالته المساومة الجيور ودا وابدا الادراج وما	And the second s
SENDER: Completitems 1 and 2 when additional 3 and 4.  Put your address in the TURN TO" Space on the reverse from being returned to you. The return receipt fee will provid the date of delivery. For additional fees the following service and check box(es) for additional service(s) requested.  1. Show to whom delivered, date, and addressee's a (Extra charge)	e side. Failure to do the person delivered to and es are available. Consult postmaster for feet	3 and Put your a from being the date o and check 1.  Sh	ddress in theTURN To returned to you. The returned to you. The returned to you. The returned for additional second to whom delivered, and the second to whom delivered.	FO'' Space on the reverse urn receipt fee will provide fees the following service rvice(s) requested	services are desired and complete items side. Failure to do to side. Failure to do to side you the name of the person delivered to and as are available. Consult postmaster for fees ddress.  2.    Restricted Delivery (Extra charge)  4. Article Number
(AMDASS 9 V Novation Too		ane	rada Hess		<i>P 305 679 568</i> Type of Service:
Compass Exploration, The	Type of Service:  Registered Insured Certified COD	POB	OK 2040		Registered Insured
Rillings MT 50	Certified COD  Express Mail Receipt for Merchandise	780	N. GUN BA.	20,	Express Mail Return Receipt for Merchandise
59103	Always obtain signature of addressee or agent and DATE DELIVERED.	ATTA	BOB (	TAMBOD	Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature - Addressee	8. Addressee's Address (ONLY if requested and fee paid)	5. Signat	ure Addressee		8. Addressee's Address (ONLY if requested and fee paid)
Signature - Agent		6. Signat	ure — Agent		
7. Date of Delivery/		7. Date	Delivery	<b>NOV</b> 1 6 1990	
'S Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-81		PS Form 3	<b>811</b> , Apr. 1989	*U.S.G.P.O. 1989-238-8	
*U.S.G.P.O. 1989-238-81	5 DOMESTIC RETURN RECEIPT			-	DOMESTIC REPORT RESERVE
		فالما والمحرود للولود والمالية الحراب المساهولية	المسومسفيسيسيون راياك	and the second s	
	SENDER: Complete items 1 and 2 w	vhen additional se	rvices are desirer and	complete items	
	3 and 4.  Put your address in the LETURN TO'' Space from being returned to you. The return receip	t fee will provide vo	or the name of the person	delivered to and	
	the date of delivery. For additional fees the fand check box(es) for additional service(s) for a service(s)	eguested.		i	
	(Extra charge)		(Extra char	rge)	
	RICE ENGINEERING	rippicanor	P3756795	54	
	122 W. TAYLOR			nsured OD	
	122 W. TAYLOR HOBBS, NM 88240		Express Mail	eturn Receipt or Merchandise	•
	20240		Always obtain signature o or agent and DATE DELIV		
	5. Signature — Addressee		8. Addressee's Addres	is (ONLY if	
	6/Signature/Agent	1 00			
	Relie Jose		** <sub>1</sub>	: .	
	7. Date of Delivery 11-15-	10		,	
t	PS Form 3811, Apr. 1989 *U.S	S.G.P.O. 1989-238-815	DOMESTIC	RETURN RECEIPT	
	•				



# GREENHILL PETROLEUM CORPORATION





Incorporated in Ds aware, U.S.A.

February 25, 1991

New Mexico Oil Conservation Division 310 Old Sante Fe Trail Room 206 Sante Fe, NM 87501

Att. David Catanach

Re: Lovington Paddock

Conversion/Producers to Injection Wells

Lea Co. NM

Enclosed please find the affidavit covering the conversion of the following producing wells to injection wells.

Well Nos. 12,14,20,22,24,28,31,32.39,46,42,50,52,54,and 60.

Very Truly Yours,

Michael J. Newport

Landman

#### AFFIDAVIT OF PUBLICATION

State of New Mexico, County of Lea.

7	Kathi	Bearden
	Nathii	Dearden

of the Hobbs Daily News-Sun, a daily newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period

of			<del></del> -		
One			\	wee	ks.
Beginning v	with	the	issue	da	ted
Febr	uaı	<u>y</u> _	<u>14</u> ,	19_	91
and ending	with	the	issue	da	ted

Hami Buden
General Manager.

February 14<sub>, 19</sub> 91

Sworn and subscribed to before

me this 22 day of February, 1991

Rhonda Copeland

Notary Public.

My Commission expires\_\_\_\_\_\_
July 24 \_\_\_\_\_91

(Seal)

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made. LEGAL NOTICE February 14, 1991

Greenhill Petroleum Corporation, 12777 Jones Road, Suite 375, Houston, TX 77070-Phone (713)955-1146 Contact: Mike Newport. Greenhill Petroleum Corporation plans to convert the following producing wells to injection wells within the Lovington Paddock Field Area. The purpose of the proposed injection wells is to increase the reservoir pressure in order to improve the recovery of hydrocarbons. The location of the proposed injection wells are the following well Nos. Within Sections 31T165-R37E, 36T16S-R36E, 1T17S-R36E and 6175-R37E, Lea County, NM. Well Nos, 12, 14, 20, 22, 24, 28, 31, 32, 39, 46, 48, 50, 52, 54 and 60. The injection intervals are approximately between the depths of 6010' and 6838' in the Paddock formation: The maximum injection rates and pressure are 2000 PSI 1500 BWPD. Interested parties must file objections or requests for hearing with the Oil Conservation Division, P.O. Box 2088, Santa Fe, NM 87501 within 15 days.

