of the earlier submittal.

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

FORM C-108 Revised 7-1-81

APPLICA	TION FOR AUTHORIZATION TO INJECT
ī.	Purpose:  Secondary Recovery Pressure Maintenance Disposal Storage Application qualifies for administrative approval?  X yes no
II.	Operator: GREENHILL PETROLEUM CORPORATION
	Address: 11490 Westheimer, Suite 200, Houston, Texas 77077
	Contact party: Mike Newport Phone: (713) 589-8484
III.	Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
IV.	Is this an expansion of an existing project? XX yes no If yes, give the Division order number authorizing the project R 3124.
٧.	Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
VI.	Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
VII.	Attach data on the proposed operation, including:
	<ol> <li>Proposed average and maximum daily rate and volume of fluids to be injected;</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 fluid and compatibility with the receiving formation if other than reinjected produced water; and</li> <li>If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).</li> </ol>
VIII.	Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
IX.	Describe the proposed stimulation program, if any.
х.	Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
XI.	Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
XII.	Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
XIII.	Applicants must complete the "Proof of Notice" section on the reverse side of this form.
XIV.	Certification
	I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.  Michael J. Nowbort
	Name: Michael J. Newport  Title Land Manager-Permian Basin  Date: 3-1-92
	Signature:
* If t subm	he information required under Sections VI, VIII, X, and XI above has been previously itted, it need not be duplicated and resubmitted. Please show the date and circumstance

#### 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, hole 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

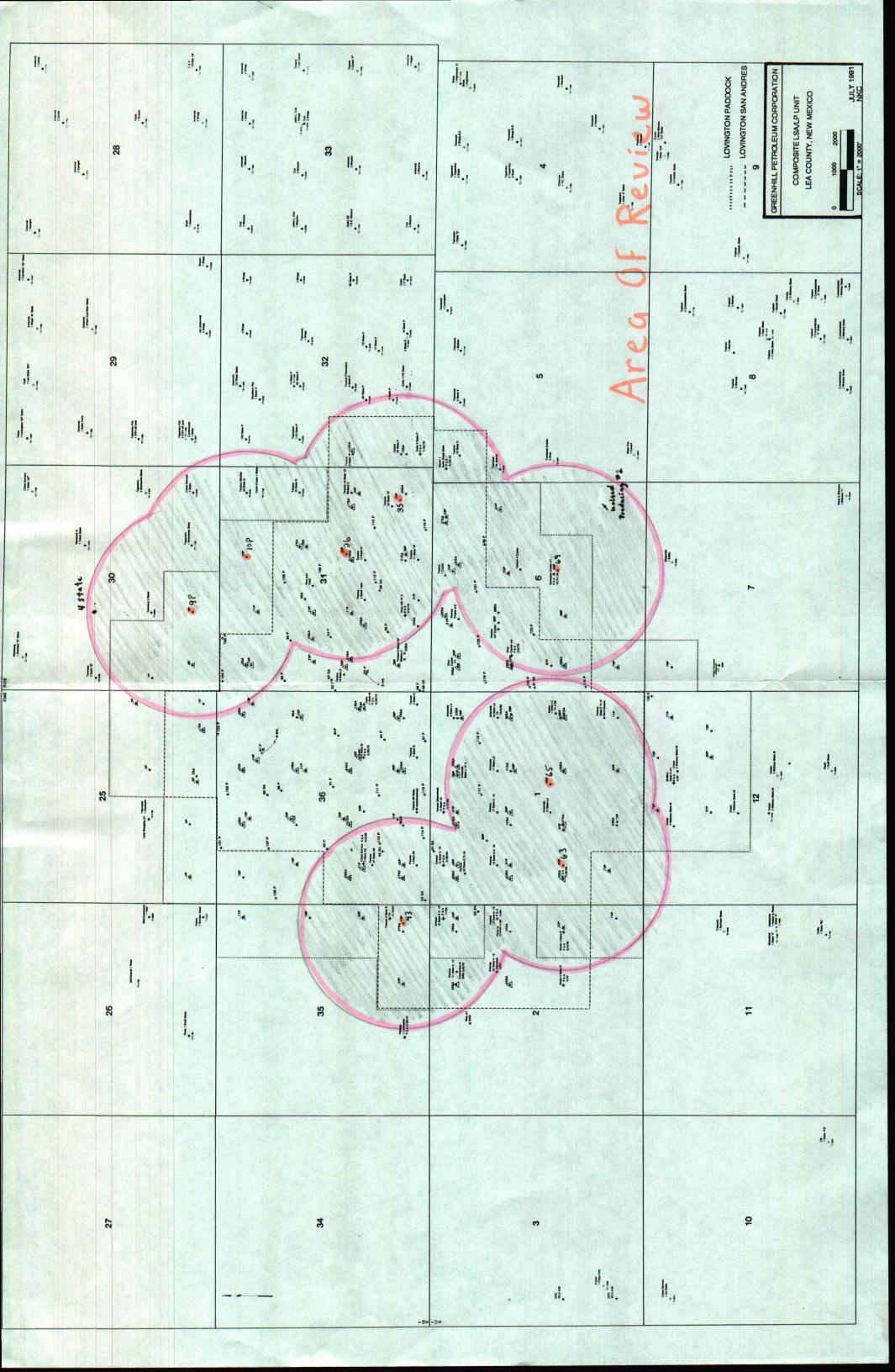
All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

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.



- 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

Date : 8-22-90 : GREENHILL PETROLEUM Company Date Sampled: 8-22-90 : LOVINGTON, NM Address Analysis No. : 2 Lease

: SENE SECRE TI6S R36E : PAD 18 35 Well

: WINDMILL Sample Pt.

	ANALYSIS			mg/L	•	* meq/L
			•			
1.	рн	7.6			•	
2.	H2S	0				
З,	Specific Gravity	1.001			•	•
4.	Total Dissolved Sol	ids		2086.2	• •	
5.	Suspended Solids		* .	NR .	••	
6.	Dissolved Oxygen			nr "		
7.	Dissolved CO2			NR		
	Oil In Water	•	• • •	NR.	• •	
9.	Phenolphthalein Alk	alinity (C	aCO3)	•		
10.	Methyl Orange Alkal			•		
11.	Bicarbonate	• •	нсоз	244.0	HCO3	4.0
	Chloride		Cl	1035.2	Cl	29.2
13.	Oulfale		SO4	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
17.	Iron		Fe	0.0		
18.	Barium		Ba	0.0		
19.	Strontium		sr	. 0.0	•	
20.	Total Hardness (CaC	03)		1800.0	•	
•		•	•			

#### PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter		Compound Equiv wt X meq/L =	mg/L
17 *Ca < *HCO3 4	+	Ca(HCO3)2 81.0 4.0	324
/>	. }	CaSO4 68.1 4.2	283
19 *Mg> *S04 4	. [	CaCl2 55.5 9.3	516
\( \alpha \)		Mg(HCO3)2 73.2	
1 *Na> *C1 29	• {	MgSO4 60.2	
	+	MgCl2 47.6 18.5	881
Saturation Values Dist. Water 20 C		NaHCO3 84.0	
CaCO3 13 mg/L		Na2SO4 71.0	•
CaSO4 * 2H2O 2090 mg/L		NaCl 58.4 1.4	82
Baso4 2.4 mg/L			

#### REMARKS:

Petrolite Oilfield Chemicals Group

Respectfully submitted, D. SWEATT

#### WATER ANALYSIS REPORT

Company : GREENHILL PETROLEUM

: 8-22-90

Address

Date Sampled: 8-22-90

Lease

: LOVINGTON, NM : SENE SEC 2 TI7S R36E : S. A. #44

Analysis No. : 1

T Law

11 (- 1, 1,		•	U .	A .	ਸ਼ਾਵ
Sample	Pt.	:	WI	NDM:	LLL

	ANALYSIS		•	mg/L		* meq/L
1.	рН	7.5				
2.	H2S					
		0				
З.	Specific Gravity	1.001				
4.	Total Dissolved Soli	ds		2222.8		
5.	Suspended Solids			NR '		
6.	Dissolved Oxygen	•		NR		
7.	Dissolved CO2			NR		
8.	Oil In Water			NR	•	
9.	Phenolphthalein Alka	linity (	Cacoal	*147	•	
10.	Methyl Orange Alkali					
		nrey (ca	•	544.5		
11.	Bicarbonate		нсоз	244.0	нсоз	4.0
12.	Chloride		C1	917.6	Cl	25.9
13.	Sulfate		504	. 325,0	S04	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		<b>5</b> ,,
18.	Barium		Ba	0.0		
19.	Strontium		Sr	. 0.0		
		<b>a</b> \	D.L.			
20-	Total Hardness (CaCo	<b>3)</b>		1800.0		

#### PROBABLE MINERAL COMPOSITION

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

#### REMARKS:

Petrolite Oilfield Chemicals Group

Respectfully submitted, D. SWEATT

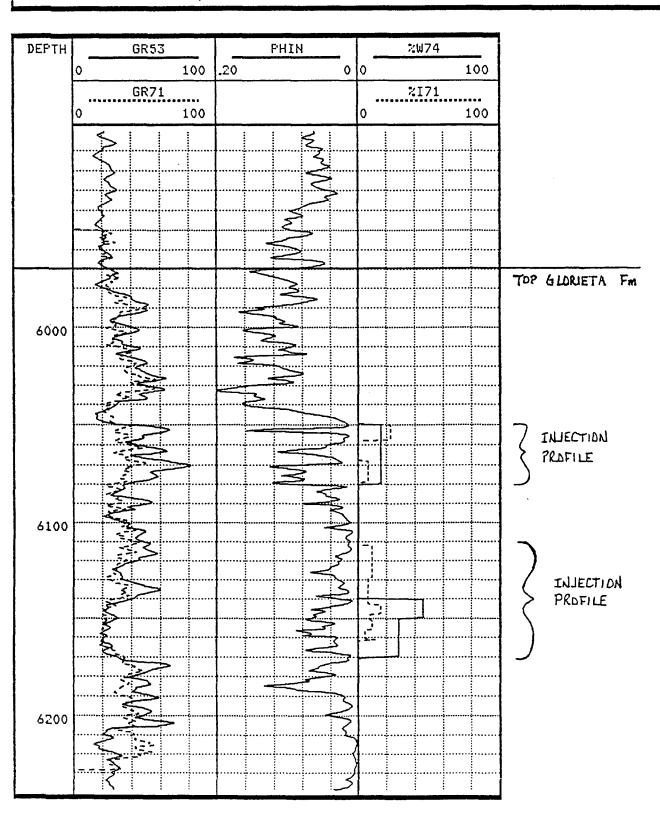
#### VIII Geologic Data

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 0F PLOT: 10/ 3/1990



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

- 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.
- 9. 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.

Martin Water Laboratories, Inc.

#### RESULT OF WATER ANALYSES

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

	1	ABORATORY NO.	1189311	<del></del>
To: Mr. Dan Westover			11 27 00	
To: Mr. Ban Westover 12777 Jones Road, Suite 375, Hou	iston, TX	RESULTS REPORT	ED 12-4-89	
COMPANY Greenhill Petroleum Corp	poration LEASE	Lovington	San Andres Ur	i <u>ít</u>
FIELD OR POOL	Lovington			
SECTION BLOCK SURVEY	COUNTY	Lea	STATE NM	
SOURCE OF SAMPLE AND DATE TAKEN:			31 A 1 L	
No. 1 Produced water - taken from	om injection no	umn discharge	11-27-89	
NO. 1	74. 24. juduzum pr	inp wastnerge.	11 27 07	
NO. 2	<del></del>	<del></del>		
NO. 3				
NO. 4				
REMARKS:				
	AL AND DUVEICAL	PROPERTIES		
CHEMIC	NO. 1	NO. 2	No. 3	1 10 4
Specific Gravity at 60° F.		10.2	1 10.3	NO. 4
pH When Sampled	1.0160	<del></del>		<del> </del>
pH When Received	6.8			<del> </del>
Blcarbonate as HCO3	6.90			<del></del>
Supersaturation as CaCO3 ···	1,464			<del> </del>
				<del></del>
Undersaturation as CaCO3 Total Hardness as CaCO3	5 700		<del></del>	
Calcium as Ca	5.700			<del></del>
	1,540			
Magnesium as Mg	450		<del></del>	<del></del>
Sodium and/or Potassium	5,369			<del></del>
Sulfate 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			
Dissolved Oxygen chemets	0.000	)		
Hydrogen Sulfide	480			
Resistivity, ohms/m at 77° F.	0,420	2		
Suspended Oil	15			
Filtrable Solids as mg/1	22.9			<b></b>
Volume Filtered, ml	850			
			<del></del>	J
				<b></b>
	· · · · · · · · · · · · · · · · · · ·			
	sults Reported As Millig			
	above results			
air contamination in this study	, therefore in	dicating effe	ctive control	against this
condition is being accomplished	. Our microsc	opic study of	the filtrabl	e solids showed
them to be essentially all a ve				
significance to the higher quan				
We have identified no evidence		evelopment of	concern and	therefore see
no need to make any changes at	this time.		<del></del>	
	<u> </u>		<del>-/</del>	
<u> </u>				

P. O. BOX 1468

MONAHANS, TEXAS 79756

PH, 943-3234 OR 563-1040

Mr. Bryant Bradley, Ozark Training

& Consulting, Austin

Mr. Cy Jones, Hobbs

XI

Martin Water Laboratories, Inc.

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

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

# RESULT OF WATER ANALYSES

	LA	BORATORY NO	98943	·
To: Mr. Dan Westover	SAI	MPLE RECEIVED	9-1-39	
12777 Jones Road, Suita 375, Houston	ı, TX RE	SULTS REPORTE	0_3-0-03	
.y. We have been news.		427	: • '. : • • · ·	•
COMPANY Greenhill Petroleum Corporati	LOR LEASE I	ovington Pade	<u>iock/San Andr</u>	es Unit
FIELD OR POOL	Lovington	:		• . • •
SECTION BLOCK SURVEY	COUNTY	Lea s	TATE NM	
SOURCE OF SAMPLE AND DATE TAKEN:				
NO. 1 Raw water - taken from water				
NO. 2 Raw water - taken from water :	supply well 🖟	2. 9-1-89	ILC SI TIT	S R 36 E
11.71	<del></del>		·	<del></del>
NO. 4	<del></del>		***************************************	
REMARKS				
Supplies AMAR A CHEMICAL A	ND PHYSICAL F	ROPERTIES	· <del></del>	
	NO. 1	<del></del>	но. з	NO. 4
Specific Gravity at 60° F.	1.0025	1.0018	<u> </u>	
pH When Sampled	7.2	7.4	·	
pH When Received	7.03	7.34		
Bicarbonate as HCO3	229	249	:	
14 Supersaturation as CaCO3	5-4 <b>8</b> 525259	4 110%	- A 228. A. A.	
Undersaturation as CaCO3			<u> </u>	
Total Hardness as CaCO3	→***3701 <i>=</i> *1 : 1 :	. 164	.u*ø	·
Calcium as Ca	120	51		
Magnesium as Mg to 1975 A 1975 A 1975	301 17 1 6 W	9 1	32 T 8.6 Same - 1	
Sodium and/or Potassium	171	130		
Sulfate as SO4	99	89	•	
Chloride as Cl	320	107		
Iron as Fei, jorn out journey, and a second	0.48	0.64		
Barlum as Ba	0	0		
Turbidity, Electric tent to the tent for a process.	3	5	: £	
Color as Pt	7	3		
Total Solids, Calculated	956 1350	- 634 €58	41% d 11.50 m	
Temperature *F.	65	66		
Carbon Dioxide, Calculated	25	16	20 C C C C C C C C C C C C C C C C C C C	
Dissolved Oxygen Winklet - Chemets	4.7	3.0		
Hydragen Sulfide	0.0:	0.0	· 3	
Resistivity, ohms/m at 77° F.	6.75	12.25		
Suspended OII				
Filtrable Solids as mg/j		·3:2-:	4.1.	
ZVolume Filtered, ml 12-15 mg to my to my	10.000 -	1.000 =	48 M 154 175	Cina pro.
and the second of the second o				
Results F	Reported As Milligran	s Per Liter		
Additional Determinations And Remarks The orime	ary significa	nce in the al	ove results	at water
well #1 is that we again identified	i only a very	minor amoun	t of sand in	the filtrable
solids: This generally confirms t				
on laboratory #789270 that the pres				
identified no significant sand in				
eral, we find the current chemical			of these wate	rs to be
satisfactory, thereby indicating no	o need for an	y action.		
		<del> </del>	<del></del>	
<u> </u>				

Form No. 3

cc: Mr. Bryant Bradley, Ozark Training

Waylan C. Martin, M.A.

& 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/1

% Water "A"	100	80	44	40	20	0
% Water "B"	0	20	256	60	80	100
Components:	•		•			~
CATIONS	•					
Calcium, Ca	138.50	646.18	1560.00	1661.54	2169.21	2676.89
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
Barlum, 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
ANIONS			•		•	
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	766.57	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			
1/H+ = 10 <sup>p</sup> H			5011872.34			•
H+ = 1/10 pH			.0000001995	.000000207	.000000242	.000000278
1/H+ = 10 <sup>p</sup> H		7377619.17			4129154.49	
Calculated pH Values				86.68		

#### Calcium Carbonate Solubility Calculation.

1. Calculate molar ionic strength of water, (u). (u) = sum of  $(mg/1 \times Conv. Factor)$  for all lons.

•		Conv.	-					_
		Factor	•	•				
Ca		.00005	.006925	.032309	.078000	.083077	.108461	.133845
Mg		.000082	.001271	.010071	.025912	.027672	.036472	.045273
Ba		.000015	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Na		.000022	.003300	.042491	.113036	.120874	.160066	.199257
Cl		.000014	.004522	.049782	.131250	.140302	.185562	.230822
S04		.000021	.002090	.013756	.034755	.037088	.048754	.060421
C03	•	.000033	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
HC03		.000008	.001784	.006133	.013960	.014830	.019178	.023527
	u =		.02	.15	.40	.42	.56	.69

### Calcium Carbonate Stability Index (Cont.)

•							
Water: "A" Water: "B"		100 0	80 20	44 56	40 60	20 80	0 100°
2. Determine K by this prog				; pCa and pA	lk are calc	ulated	
•	log(1/mols = log(1/Equi						•
Temper	ature:	•	(26.7C) (49C)			•	٠.
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

1.90

3. Calculate the Stiff & Davis CaCO3 Stabillity Index (SI).

2.44

$$SI = pH - (K + pCa + pAlk)$$

Calculated pAlk .

(K + pta	  =	6.96 6.58	6.29 5.85	6.02 5.51	5.98 5.48	5.88 5.37	5.78 5.27
CaCO3 SI	 = =	.04 { .42 }	.57 1.0j	.68 ! 1.19	.70 1.20	.73 J 1.24 ;	.77 7 1.28

1.54

1.52

1.41

1.32

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.

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

 $Is = D + (1.549 \times 10^{-2} \times T) - (4.26 \times 10^{-6} \times T^{2}) - (7.44 \times 10^{-5} \times P) + 0.919u - 2.52(u)^{0.5} + 5.89$ 

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 o	< Constant	=	Product
D	-5.80922	1.00	=	-5.81
T	120.00	.01549	=	1.86
(T)(T)	14400.00	000004	=	06
P	2000.00	000074	=	15
u	.69	.919	=	.63
(u)10.5	.8306624	-2.52	==	-2.09
	,			5.89

Sum = 1s = .27

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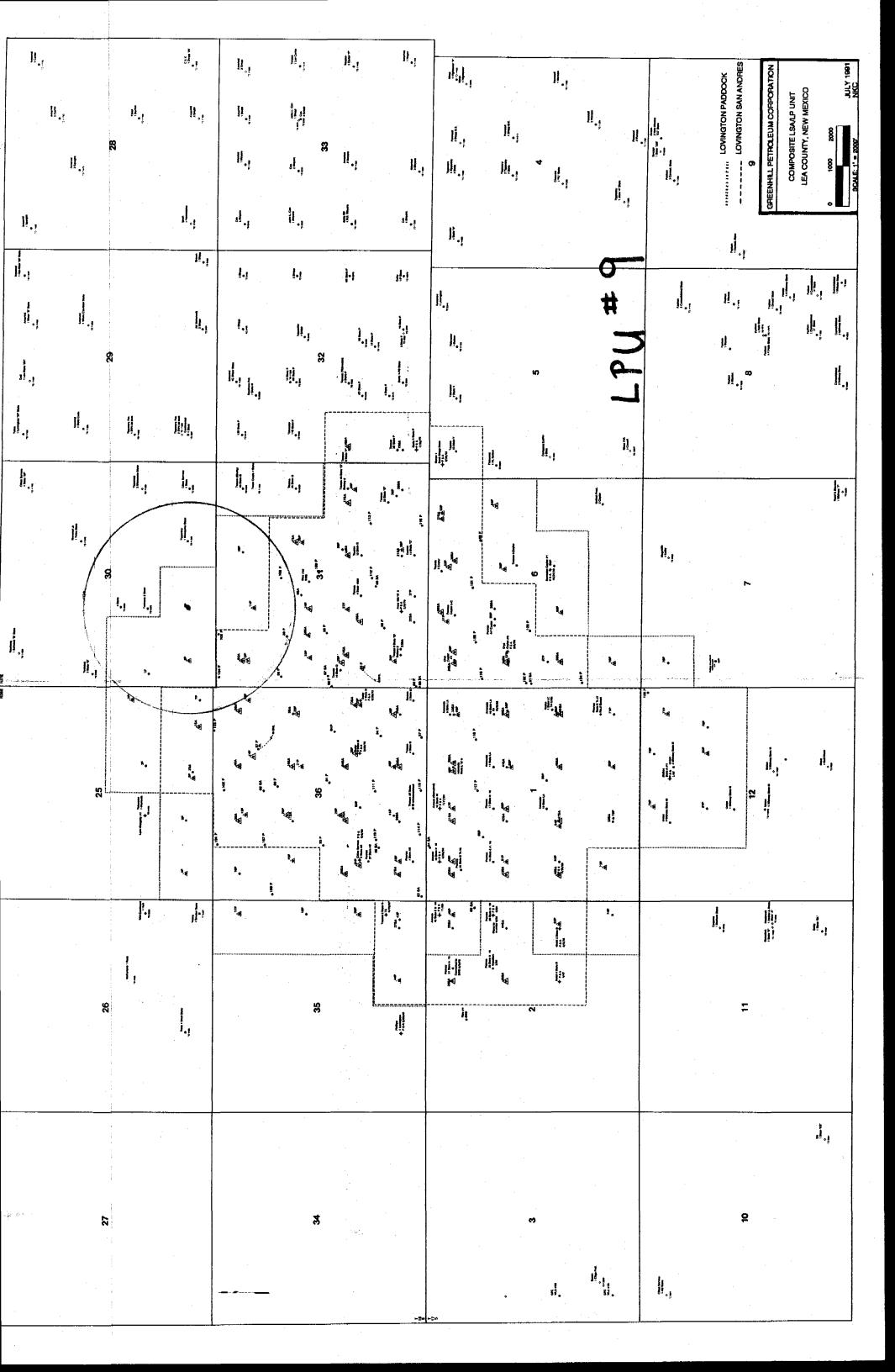
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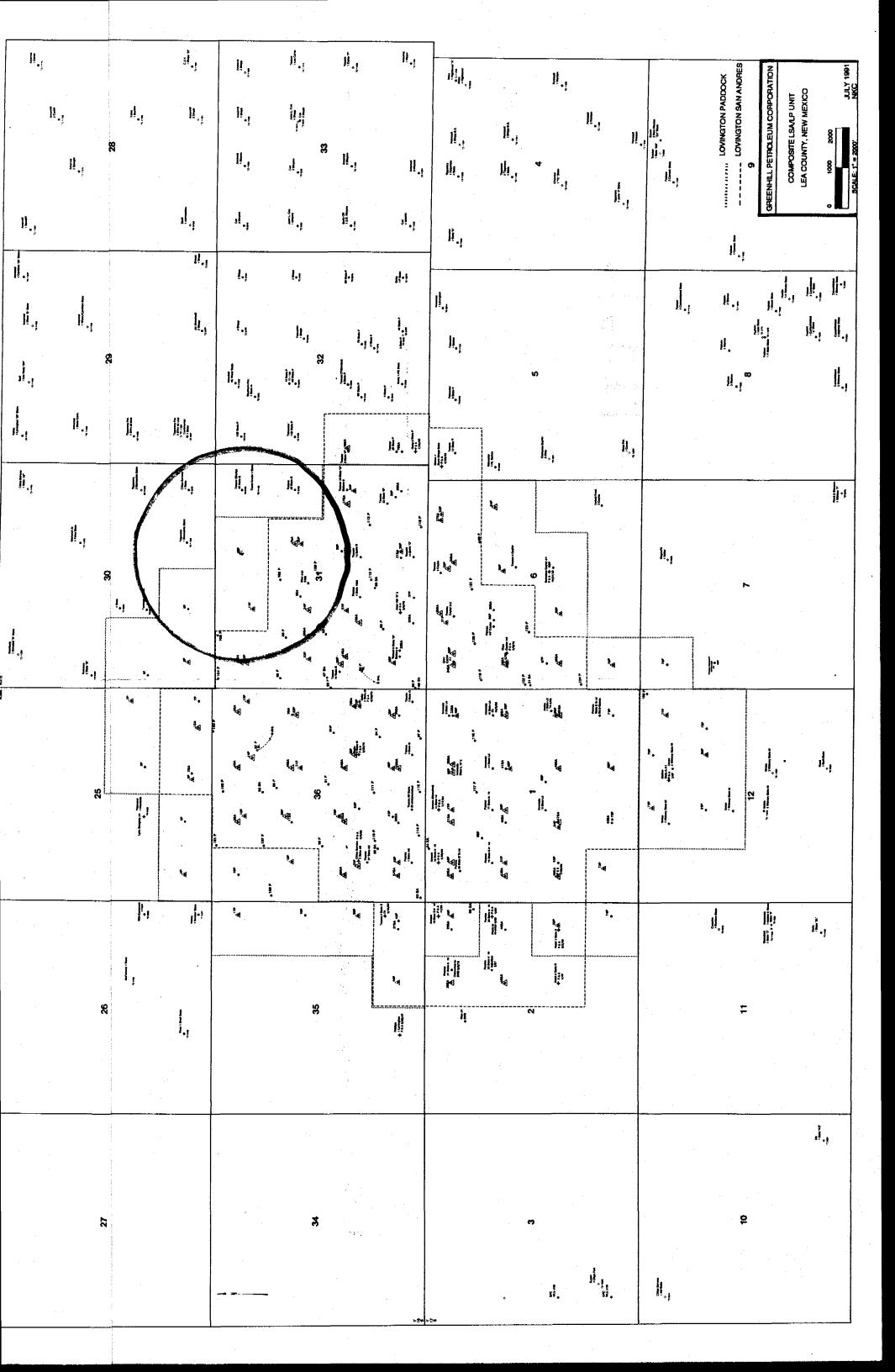
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	GREENHILL PET	ROLEUM CORPORATION	I	ovington Pa	addock Unit
		440 EGI ( 1000 E	• • • • • • • • • • • • • • • • • • • •		M160 D075
<del></del>		660 FSL & 1980 F		SEC.	
				Tu	bular Data
			Surfac	ce Casing	
	and the state of t	1	Size:	<u>13 3/8</u> "	Cemented with 350 SX
			TOC: _	surface	feet determined by circ.
		1927	Hole s	ize:	17 1/2
		13% 347'	Intern	nediate Cas	ing
		<b>○</b> ₹/	Size:	<u>85/8</u> "	Cemented with 1500 SX
			TOC:	surface	feet determined bycirc
			Hole S	Size:	<u></u>
	Management ( 1944)	7 5/2"	Long S	String	
	*	2.5	Size:	5 1/2" "	Cemented with 1000 SX
			TOC:	3153	feet determined by TS
					7 7/8
	:	5%"			5270'
		~70°		ion Interv	
			Inject		
			(perfo	6144 orated or o	_ feet to <u>6262</u> feet pen-hole, indicate which)
Tul	bing size	2 3/8 lined wit	h		
			packer a	•	rial) 50feet.
(or	(brand & mod				
-	-	other casing cap	ing scar,		
Othe	er Data				
1.	Name of the	injection formati	on	Paddock	
2.	Name of Fiel	d or Pool (If app	licable)	Lovington P	addock
3.		w well drilled for that purpose was t			rilled? production
4.					(s)? List all such perforated nt or bridge plug(s)
5.	Give the dep		any overl	ying and/o	r underlying oil or gas zones

Above-Glorietta



	1 Petroleum Corporation Loyington Paddock LEASE
OPERATOR # 10	660' FNL & 2440' FEL . 31 16S 37E
WELL NO.	FOOTAGE LOCATION SEC. TOWNSHIP RANGE
HEDE NO.	roother Loomiton Sec. Tomistile Made
	Tubular Data
	Surface Casing
Spud Date 8-11-54	Sizo: 8-5/8 ". Comented with 1500 SX
	TOC: Surface feet determined by calc
	liola sizo: 11"
	Intermediate Casing
	Size: " Cemented withSX
	TOC: feet determined by
· · ·	Nole Size:
	Long String
	Size: 5-1/2" Cemented with 300 SX
•	
•	TOC: 40/0 feet determined by temp so
	- 605 Hole Size: 7-7/8"
	Total Depth: 6260'
	TD TOTAL Depth. 0200
	(260' Injection Interval
	feet to feet
•	(perforated or open-hole, indicate which)
Tubing size _ 2	3/8 lined with TPC set in a (material)
	packer at - 6050 feet.
(brand & mode	other casing-tubing seal).
	other casing-casing seary.
ther Data	·
Name of the	injection formation
. Name of Fiel	d or Pool (If applicable) Paddock
. Is this a new If no, for w	w well drilled for injection? No hat purpose was the well originally drilled? Production
. llas the well intervals an	ever be perforated in any other zone(s)? List all such perforated d give plugging detail (sacks of cement or bridge plug(s)
usea. No	
. Give the dep	th to and name of any overlying and/or underlying oil or gas zones
	Glorieta



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

\_8%" 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"

TO 6252

Hole size:

Total Depth: 6252'

#### Injection Interval

6140 feet to 6252 feet (perforated or open-hole, indicate which)

Tubing size  $2^{3/8}$  lined with TPC set in a

packer

at 6000 feet. (Or describe any other casing-tubing seal).

#### Other Data

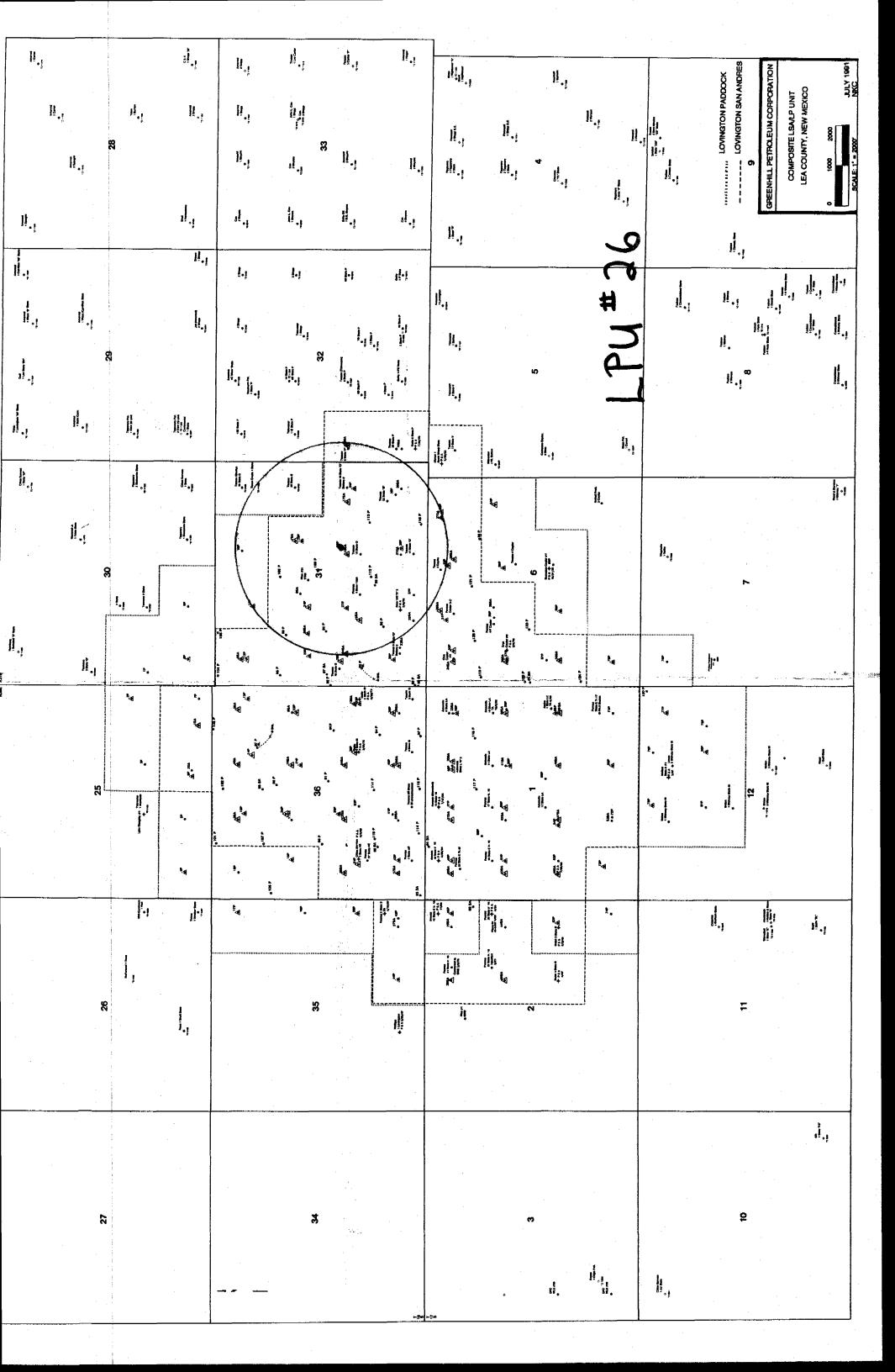
1. Name of the injection formation:

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

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



	Greenhill Pet	Lovingtor			
-	OPERATOR		LEASE	•	
	#35	810' FSL & 810' FEL	. 31	168	37E
-	WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

#### Tubular Data

Spud Date Surface Casing 3-20-54 8-5/8" Cemented with 975 SX Size: CIrc TOC: Surface feet determined by calc Hole size: [] 85/8' Intermediate Casing 2048 Cemented with SXSize: TOC: feet determined by Hole size: Long String Size: 5-1/2" Cemented with 585 SX TOC: 3225 feet determined by temp 6078' Hole size: 7 1/2 TO 6262' Total Depth: 6262' Injection Interval

6078 feet to 6262 feet (perforated or open-hole, indicate which)

Tubing size  $2^{3/8}$  lined with  $2^{3/8}$  set in a

. packer

at 6000 feet. (Or describe any other casing-tubing seal).

#### Other Data

1. Name of the injection formation:

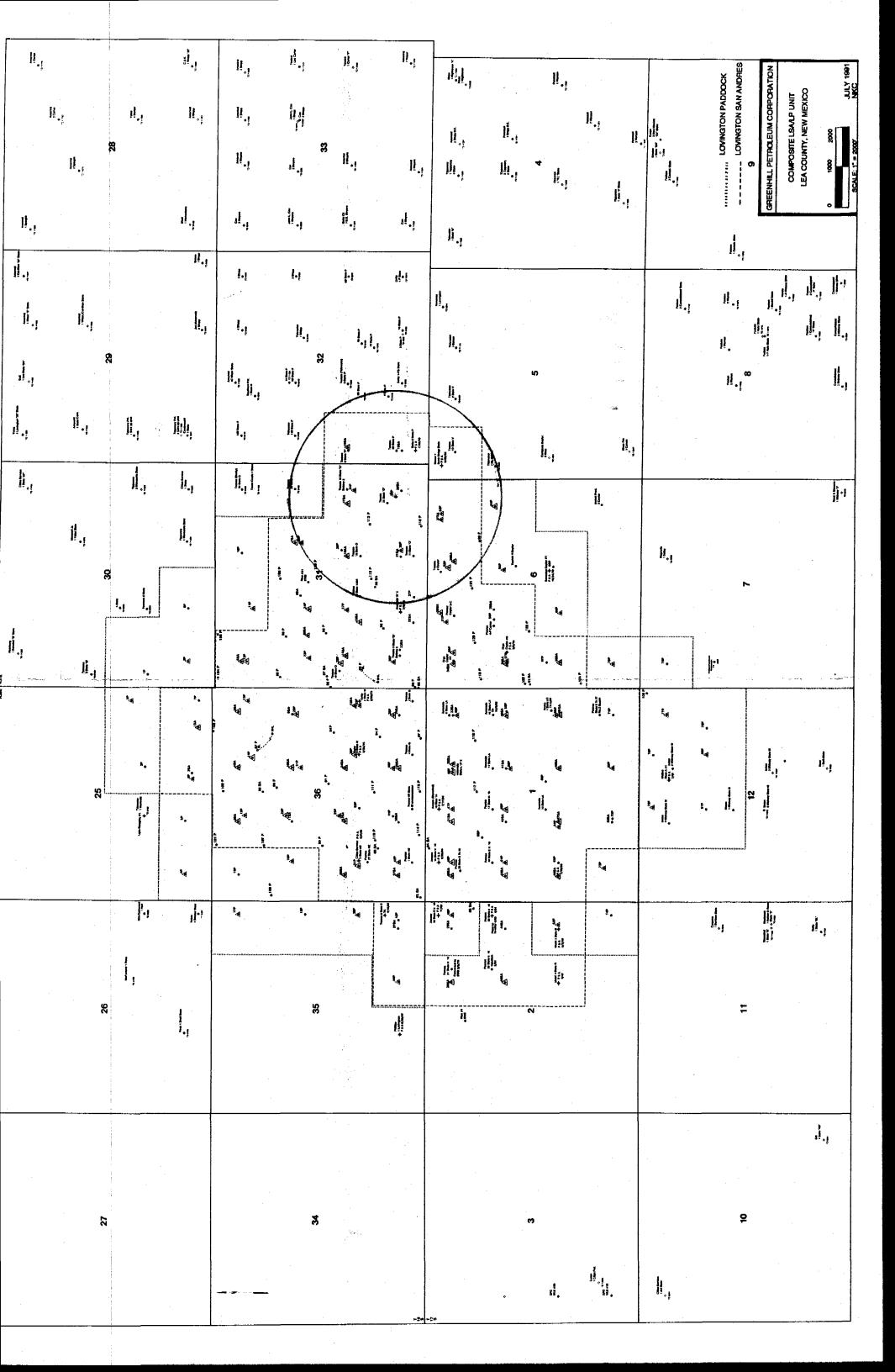
No

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? 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



Greenhill Pe	troleum Corporation	Lovington			
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" Intermediate Casing

Jags' Size: Cemented with SX

TOC: feet determined by

Hole size:

Long String

LUIIY SUI IIIY

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

TOC: 3613 feet determined by temp survey

Hole size:

Total Depth: 6285'

#### Injection Interval

6093 feet to 6285 feet (perforated or open-hole, indicate which)

Tubing size  $2^{-3/8}$  lined with IPC set in a

packer

at 6005 feet. (Or describe any other casing-tubing seal).

51/2"

6093

TO 6285'

#### Other Data

1. Name of the injection formation:

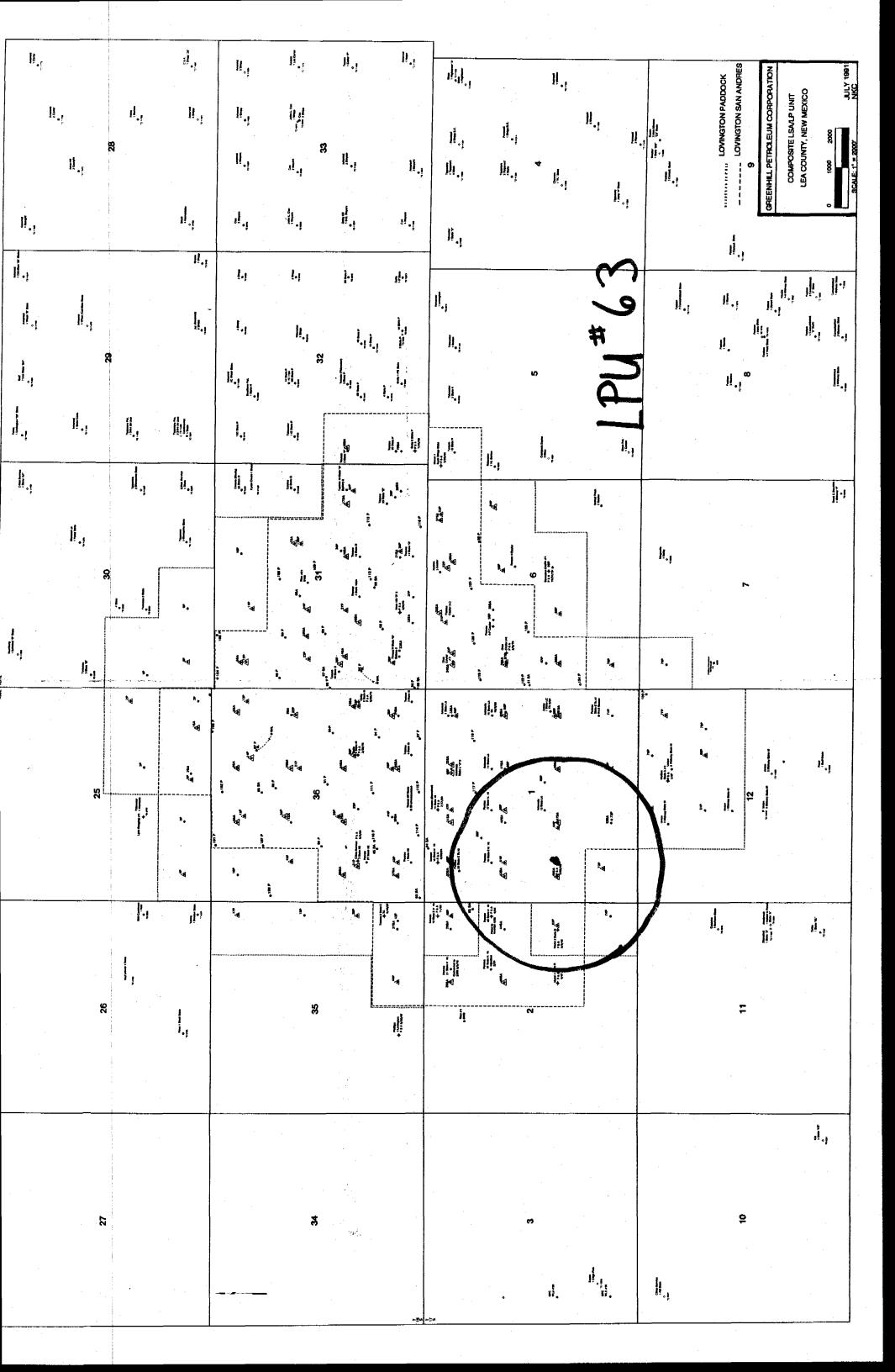
Paddock

- 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.

Above Glorieta



Greenhill	Petroleum Corporation	· · · · · · · · · · · · · · · · · · ·	Lovington	Paddock		
OPERATOR			LEASE			
#63	1980' FSL & 990'	FWL	1 -	175	36E	
 WELL NO.	FOOTAGE LOCATION	ON	SEC.	TOWNSHIP	RANGE	•

#### Tubular Data

Spud Date Surface Casing 5-19-53 Size: 13-3/8" Cemented with 300 SX TOC: Surface feet determined by calc Hole size: 17/2 133/2" 297' Intermediate Casing Size: 8-5/8" Cemented with 1500 SX TOC: 879 feet determined by temp survey Hole size: // 85/8" Long String 3750' Size: 5-1/2" Cemented with 500 SX feet determined by 80% calc TOC: 3364 Hole size: 7-7/8" 51/2" 6088' Total Depth: 6250' TO 6250' Injection Interval

6088 feet to 6250 feet (perforated or open-hole, indicate which)

Tubing size  $2\frac{3}{8}$  lined with 19c set in a

packer

at 6025 feet. (Or describe any other casing-tubing seal).

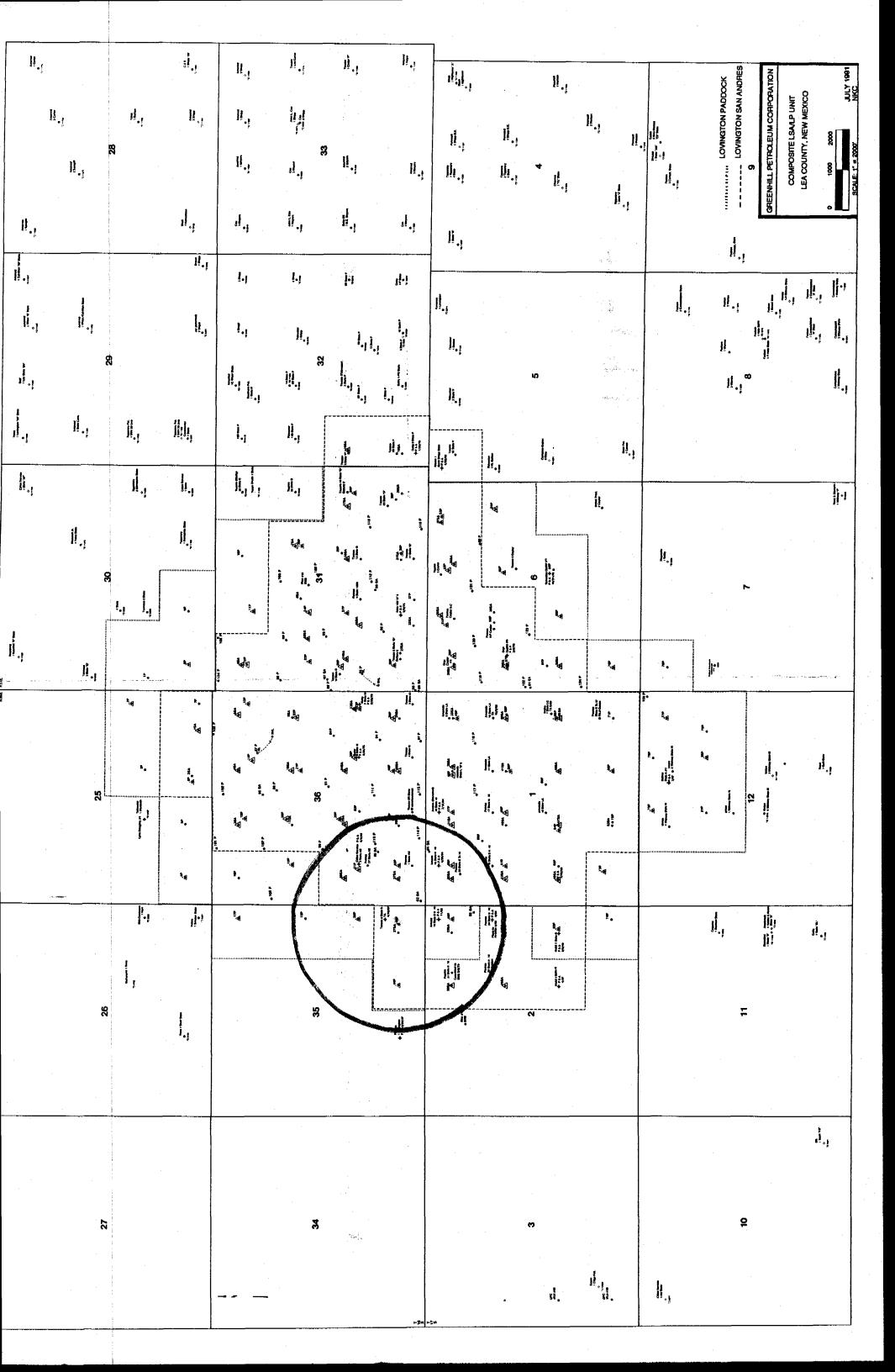
#### Other Data

1. Name of the injection formation:

No

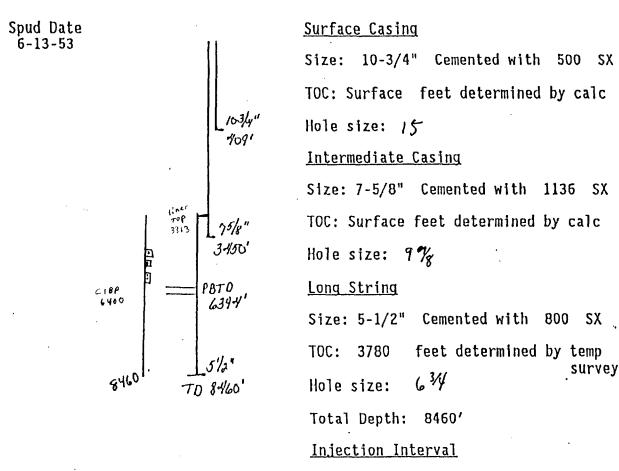
Paddock

- 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? 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



	Greenhill P	etroleum Corporation	Lovington	Paddock		
	OPERATOR		LEASE			
	#65	2310' FSL & 2310' FEL	1	178	36E	
-	WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE	

#### Tubular Data



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

Tubing size  $2^{3/9}$  lined with  $^{IPC}$  set in a

· packer

at 6050 feet. (Or describe any other casing-tubing seal).

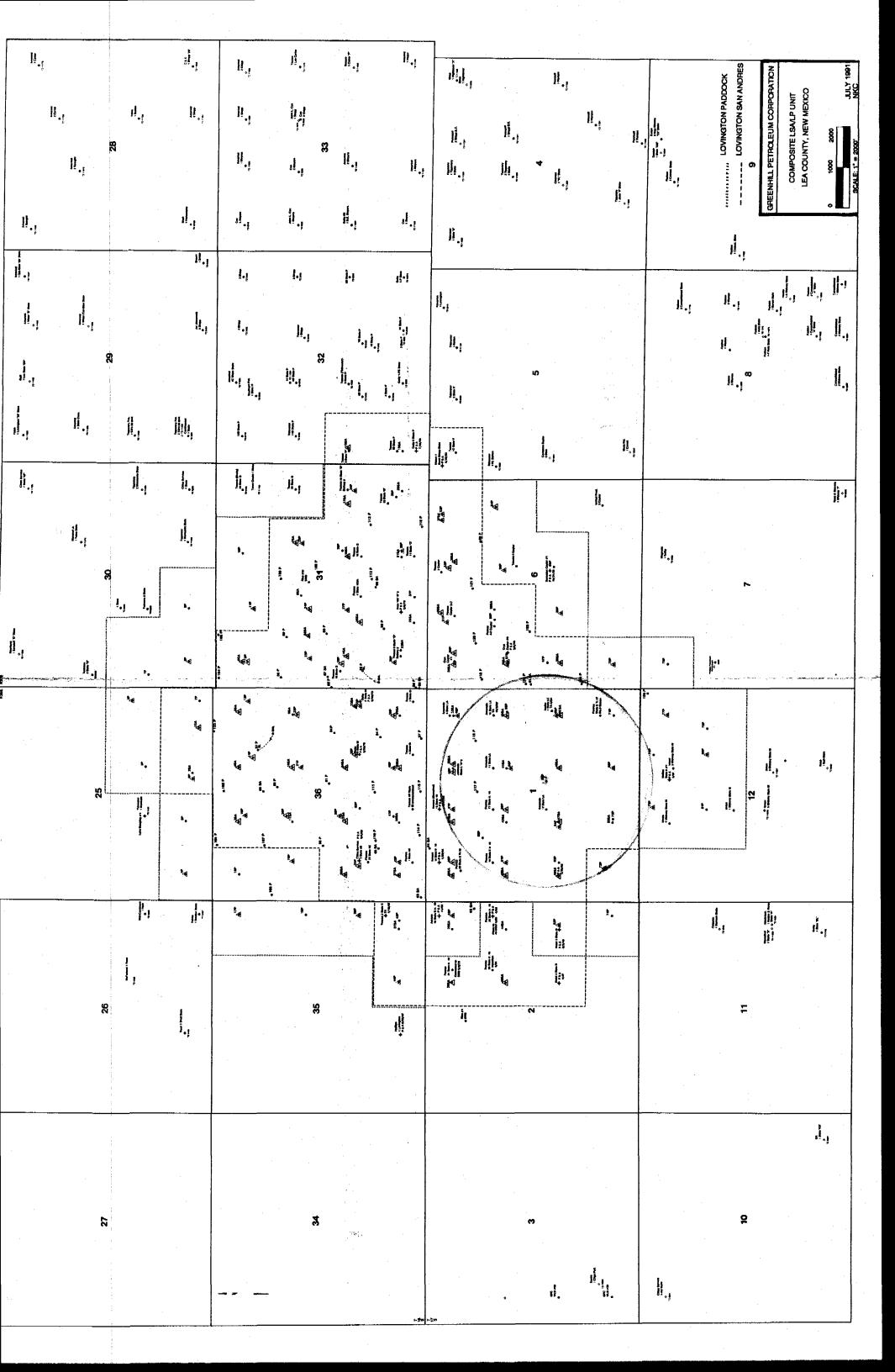
#### Other Data

1. Name of the injection formation: Paddock

No

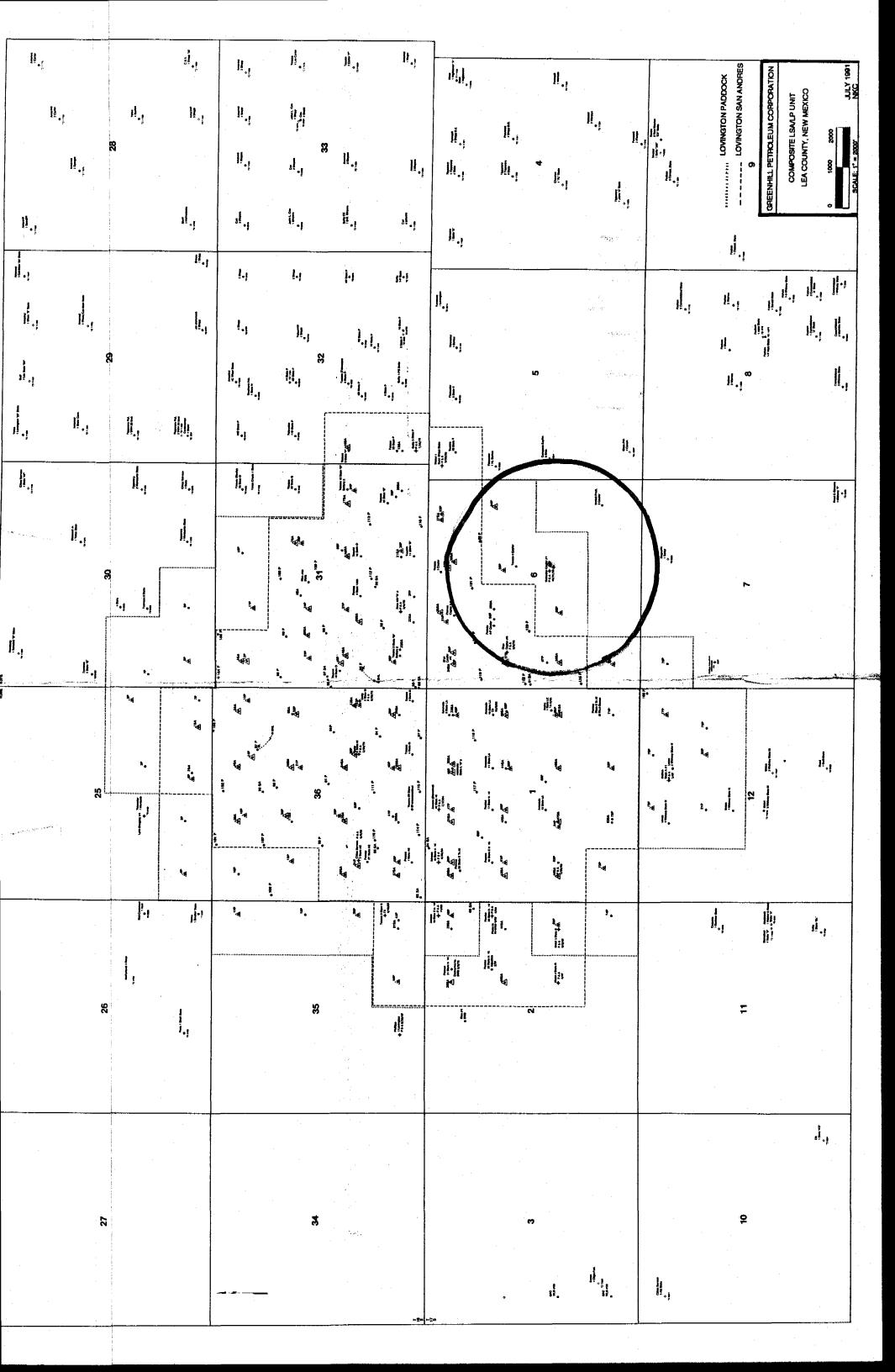
- 2. Name of Field or Pool (If applicable) Paddock
- 3. Is this a new well drilled for Injection?  $\underline{No}$  If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details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



GREENHILL PETROLEUM CORPORATION OPERATOR	ENHILL PETROLEUM CORPORATION Lovington Paddock Unit OPERATOR LEASE		
69 2173 FSL & 2173 FEL WELL NO. FOOTAGE LOCA	6 T17S-R37E ATION SEC. TOWNSHIP RANGE		
	Tubular Data		
	Surface Casing		
	Size: 13 3/8" " Cemented with 350 sx		
111	TOC: surface feet determined by circ.		
2921	Hole size:		
133/8"	Intermediate Casing		
	Size: 8 5/8" ~ Cemented with 1150 SX		
	TOC: 820 feet determined by TS		
	Hole Size: 11		
	Long String		
3386	Size: 5 1/2" " Cemented with 600 SX		
(-7)	TOC: 1500 feet determined by TS		
	Hole Size: 7 7/8"		
(0)06	Total Depth: 6270		
	Injection Interval		
	6104 feet to 6262 feet (perforated or open-hole, indicate which)		
Tubing size 2 3/8" lined with	IPC set in a		
1	(material) packer at6050feet.		
(brand & model) (or describe any other casing-tubing	g seal).		
Other Data			
1. Name of the injection formation	Paddock		
	cable) Lovington Paddock		
3. Is this a new well drilled for : If no, for what purpose was the	well originally drilled? production		
intervals and give plugging detaused.	intervals and give plugging detail (sacks of cement or bridge plug(s) used.		
5. Give the depth to and name of an (pools) in this area.	ny overlying and/or underlying oil or gas zones		

Above Glorietta



OPERATOR	Lease Lovington Paddock
# 1	16mml man a mant
WELL NO.	FOOTAGE LOCATION SEC. TOWNSHIP RANGE
•	Tubular Data
•	Eure- Continu
Completed	Surface Casing
8-25-54	Sizo: 13-3/8: ". Comented with 300: S.
	TOC: Surface feet determined by calc
	13 % 100: Surface 1660 decembrated by care
	Intermediate Casing
	Size: 8-5/8" Cemented with 1600 S
	TOC: Surface feet determined by rate
.•	10-3/4"
	Long String
,	Size: 5-1/2" Cemented with 425
•	TOC: 4080 feet determined by 70%
	1 1 6105' Hole Size: 7-7/8"
	70 6317' Total Depth: 6277'
	Injection Interval
	- feet to - feet
•	(perforated or open-hole, indicate which)
Subing size	lined with set in
	(material)
(brand & mode	packer ac resc.
	other casing-tubing seal).
ther Data	
	njection formation
	l or Pool (If applicable) Paddock
	27.
Is this a new If no, for wh	well drilled for injection? NO Production eat purpose was the well originally drilled? Production
	ever be perforated in any other zone(s)? List all such perforate i give plugging detail (sacks of cement or bridge plug(s)
. Give the dept	th to and name of any overlying and/or underlying oil or gas zones

outside 70R?

#### INJECTION WELL DATA SHEET

	Greenhill Petroleum Corporation		Lovington Paddock			
-	OPERATOR		LEASE			-
	# 2	1650' FSL & 330' FEL	25	165	36E	
	WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE	-

#### Tubular Data

Completed 10-31-53 []]	Surface Casing		
10-51-55	Size: 10-3/4 " Cemented with 300 SX		
	TOC: Surface feet determined by calc		
103/	Hole size: 13-3/4"		
	Intermediate Casing		
·	Size: 7-5/8" Cemented with 1540 SX		
	TOC: Surface feet determined by calc		
5/2 /	Hole size: 9-7/8"		
3-928'	Long String		
$-7^{2}$	Size: 5-1/2" Cemented with 730 SX		
5/h"	TOC: 3231 feet determined by temp		
TO 6300	Hole size: 6-3/4"		
	Total Depth: 6300'		
	Injection Interval		
	5394 feet to 6300 feet		

Tubing size 2-7/8" lined with IPC set in a

packer

(perforated or open-hole, indicate which)

at 5394 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

Above Glorieta

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

OPERATOR	17.55		LEASE		
# 3	/600 1980' FSL & 19	080' FEL	25	16S	36E
WELL NO.	FOOTAGE LOCATI	ON	SEC.	TOWNSHIP	RANGE
	•		Tubular	Data	
Spud Date		Surface (	Casing		
1-03-53		Size: 10-	-3/4 " Cem	ented with	300 SX
		TOC: Surf	face feet	determined	by calc
	10341"	Hole size	e: 13-3/4"	•	
	451'	Intermed	iate Casing		
on the contraction of the contra		Size: 7-	5/8" Cemen	ted with 17	40 SX
	35-X	TOC: Sur	face feet	determined	by calc
	75/8"	Hole size	e: 9-7/8"		
1 1	3570'	Long Str	ing ·		
		Size: 5-	1/2" Cemen	ted with <del>12</del>	eo sx
- 19		TOC: 32	25 feet	determined	•
$C^{\prime\prime}$ .		Hole siz	e: 6-3/4"	·	surve
	15/2" TO 6300'	Total De	pth: 6300′		
	,	Injection	n Interval		
		- (perforat		) – hole, indic	
Tubing size –	lined with	set in a	-	, p	acker
at feet. (	Or describe any	other casi	ng-tubing s	seal).	
Other Data		1			

- 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? <u>Production</u>
- 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	roleum Corporation	Lovington		
 OPERATOR		LEASE		
# 5	660' FSL & 1980' FWL	25	16\$	36E
 WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

#### Tubular Data

(perforated or open-hole, indicate which)

Spud Date Surface Casing 9-24-54 Size: 8-5/8 " Cemented with 1550 SX Circ TOC: Surface feet determined by calc 11" Hole size: Intermediate Casing Size: Cemented with · SX TOC: feet determined by calc 85/8" Hole size: 3197' Long String Size: 5-1/2" Cemented with 450 SX feet determined by temp survey Hole size: 7-7/8" 5/2" Total Depth: 6281' 6100' Injection Interval TO 6281' feet to

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
- 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 P	etroleum Corporation—	Lovington	Paddock	
 OPERATOR		LEASE		
# 6	480' FSL & 2280' FEL	25	168	36E
 WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

#### Tubular Data

Spud Date Surface Casing 3-11-54 Size: 9-5/8 " Cemented with 1800 SX TOC: Surface feet determined by calc CINC Hole size: 12-3/4" Intermediate Casing Cemented with SXSize: TOC: feet determined by calc 3145' Hole size: Long String Size: 5-1/2" Cemented with 475 SX TOC: 3974 feet determined by temp survey Hole size: 7-7/8" Total Depth: 6285' Injection Interval feet to 6285 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

- 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.

Above Glorieta

No

OPERATOR	roleum Corporati	LEASE
#2 WELL NO.	FOOTAGE LOCA	
WEEL NO.	roother look	IION BEO, IONNBHIL RANGE
	2/./	Tubular Data
	2104 4620	Surface Casing
	11:	Size: 8 5/8 " Cemented with 500 SX
		TOC: Surface feet determined by calc.
		liole size: 11
		Intermediate Casing
ata Completed		Size: Cemented withSX
ate Completed 11/7/44	L85%	TOC: feet determined by
	. 2104	Hole Size:
	, "	Long String
		Size: 5 1/2 " Cemented with 450 SX
•		TOC: 2168 feet determined by 80% calc
	5/2	Hole Size: 7 7/8
	{ 4620	,
	- TD 4996	
		Injection Interval
		(perforated or open-hole) indicate which)
Tubing size	lined with	set in a
-		(material) packer at feet.
(brand & model)	•	
(or describe any oth	er casing-tubing	; seal).
Other Data		
1. Name of the inje	ction formation	San Andres
2. Name of Field or	Pool (If applie	able) Lovington San Andres
3. Is this a new we	ll drilled for i	njection? No
		well originally drilled? Production
4. Has the well eve intervals and giused.	r be perforated ve plugging deta	in any other zone(s)? List all such perforated il (sacks of cement or bridge plug(s)
5. Give the depth t (pools) in this	o and name of ar	ny overlying and/or underlying oil or gas zones
	Juina Convenie	1

# 1

Greenhill Po OPERATOR	etroleum Corporat	ion	Loving LEASE	ton San And	res Unit	<del></del>
#1 WELL NO.	300 FSL & 9 FOOTAGE LOC		25 SEC.	T16S TOWNSHIP	R36E RANGE	
			- Tu	ıbular Deta	· · · · · · · · · · · · · · · · · · ·	
		Surface	Casing			,
	2096' 4629		_	Comented 1		475 sx
	11			feet d		
	.			11		
			ediate Cas			
Completed 10/4/45				_	with	SX
Converted to		TOC:		feet d	etermined	1 by
Injection 6/29/65	2096					•
0, 20, 00		Long St	•			ا. مناس و و
				" Cemented	with	5.25 - 45°C 425 SX
	•		2313			d by 80% calc
•				7 7/8	OULMEIO	·
	-5% 4629	Hole S:			<del></del>	
	TD 5000		Depth: _			
		Inject	ion Inter			
			600' rated or (	feet to open-hole, i		0' feet which)
Tubing size2	" lined with		IPC			set in a
	•	packer a	(mate	erial) 4575'	fe	et.
(brand & model (or describe any o						·
,	ther dusting tust.	g 30 ú.z.) .		•		
Other Data						•
1. Name of the in	jection formation	n	San An	dres		
2. Name of Field	or Pool (If appl	icable)	Loving	ton San Andr	es	
	well drilled for t purpose was the				<u>Product</u>	ion ·
intervals and used.	ver be perforated give plugging de No	tail (sac	ks of cem	ent or bridg	e plug(s	
	to and name of		•	or underlyin		gas zones
	Node of second					

	GREENHILL	PETROLEUM CORE	ORATION	ro	VINGTON PADDO	CK	
•	OPERATOR # 7	330 <sup>1</sup> FEL	£ 3301	LEA FSI 2	sr. 5 16s	36E	
				· .		•	
	WELL NO.	FOOTAGE	LOCATIO	n sec	. TOWNSHIP	Range	
		· · ·	<del> </del>				**************************************
	•		• •		· <u>Tubular Data</u>		•
Sp	ud Date				,		•
8	-1-53	r 1	<u>Su</u>	rface Casir	re ·	•	,
			S í	ze: <u>8-5/8"·</u>	Comented	with <u>800</u>	) sx
	•		TO	C: Surfac	e feet	determined by	y <u>calc</u>
			· IIo	ole size:	11"	•	
		· ]].	L	ntermediate	Casing		•
	·		15/8" S:	lze:	Cemented	i with	sx
			2104 T	oc:	feet	determined b	y <u>calc</u>
,			. н	ole Size:		,	
		•	<u>L</u>	ong String			
			s	ize: <u>5-1/</u> 2	2" " Cemente	d with	sx
•	1	·	· T	OC: 4859	feet	determined b	у 80%
		في حا	5%" 85' H	ole Size:	7-7/8"		
				otal Depth:	6260'		
		, TD	6260'	njection Ir	iterval		
		•		· .	feet t		feet '
	•			perforated	or open-hole,		****
Tul	iing gizo	lined	with		·	• •	set in a
	, and and and		•		(material)		<del></del>
·	(brand & mod		pac	cker at		foot	•
(or		other casing-	tubing i	real).	n•		
Orbi	er_Data		•		•	•	·
1.	Name of the	injection form	nation _			•	
2.	Name of Fiel	d or Pool (If	applical	ble) Pa	ddock	·	
a .		w well drilled		•	•		
3.	If no, for w	that purpose we	is the w	ell origina	1ly drilled?	Production	<u> </u>
.4.	intervals an	l ever be perfo nd give pluggin					erforated
5.	Give the dep	oth to and name	of any	overlying	and/or under1	ying oil or p	gas zones
	(pools) in t		•	•			
	Above G	lorieta	<del></del>		• , • • • • • • • • • • • • • • • • • •		•

Greenhill Pe	troleum 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		Surface Casing
	·	Size: 13-3/8 " Cemented with 350 SX
		TOC: Surface feet determined by calc
	12/24	Hole size: 17-1/4"
	13 <sup>3</sup> /8" 323'	Intermediate Casing
	.	Size: 9-5/8" Cemented with 2700 SX
		TOC: Surface feet determined by calc
		Hole size: 12-1/4"
	95%"	Long String
	. 7700	Size: 7" Cemented with 450 SX
		TOC: 4113 feet determined by 70% calc
	2"	Hole size: 8-3/4"
	6258'	
	TO 6270'	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 packe 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? <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

#12 WELL NO Dieted -5-45 Dened /87	1980' FSL FOOT	AGE LOCAT		36 SEC.	16S TOWNSHIP bular Data	36E RANGE	•
-5-45 pened			Surface Ca	Tu	bular Data	· · · · · · · · · · · · · · · · · · ·	
-5-45 pened			Surface Ca	Tu	bular Data	•	
-5-45 pened			Surface Ca				
pened	٠.			asing			
		}	•			with	
			TOC:		feet d	etermined by	
			Hole size	:	<u></u>		
			Intermedia		,		
						with500	circ
		73010,				etermined by	cale on
	•	85/8"	Hole Size	:	11"		
	· .		Long Stri	ng			
		,				with450	
		4580' 51/2"				etermined by	r calc 80
	: }		Hole Size	3: <u>7-</u>	7/8"		
	_	L 4990' TD	Total Dep	oth:	5055'	•	
		5055'	Injection	1 Inter	<u>val</u>		
•	_	TD	4580 (perforat			5055 Indicate which	feet ch)
Tubing size	2 <sup>3</sup> /8 1in	ed with	••			•	set in a
_	od-tension pack	_		(mat	erial) 560	feet.	
(brand &	model) any other casi				<del></del>		• •
ther Data						. •	
	the injection f	ormation	San An	ıdres			
	Field or Pool (				ton San Andr	PC	
	a new well dril						
If no, f	or what purpose	was the	well orig	inally	drilled? _	Production	*
	well ever be pe s and give plug No						rforated

Underlying-Grayburg

Greenhill Po		Lovington San Andres LEASE	
OPERATOR #12	17601:501 0 4401 5		
#13 WELL NO.	1760' FSL & 440' F FOOTAGE LOCAT		
WELL NO.	FOOTAGE LOCAT	TON 520. TOWNSHIE RAMOE	
		Tubular Data	
nlatad		Surface Casing	
pleted -16-39		Size: 13 " Cemented with 225 S	
		TOC: Surface feet determined by calc	
	·	Nole size: ?	
	-2991	Intermediate Casing	
	13	Size: 8-5/8 " Cemented with 250 S.	
		TOC: 2235 feet determined by calc	
,		Nole Size: 11"	
	23003'	Long String	
		Size: 5-1/2 " Cemented with 150 S	
		TOC: 2818 feet determined by calc	
	L4518'	Hole Size: 6-3/4"	
	£ 5068'	Total Depth: 5068	
·	TO 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) packer atfeet.	
(brand & mod	del)		
•	y other casing-tubing	, seal).	
Other Data	•		
1. Name of the	injection formation	San Andres	
2. Name of Fiel	ld or Pool (If applic	Lovington San Andres	
3. Is this a no If no, for t	ew well drilled for i	Injection? No Production well originally drilled?	
intervals a	lias 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		

Underlying-Grayburg

	Greenhill Pe	troleum Corporation	Lovington	Paddock	
•	OPERATOR		LEASE		<del></del>
	#11	940' FNL & 1980' FWL	31	165	37E
	WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

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

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" 75/8" 3295 Long String Size: 5-1/2" Cemented with 350 SX TOC: 4208 feet determined by 70% calc Hole size: 7-7/8" 5"\1" 6115 Total Depth: 6270' Injection Interval TD 6270'

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

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: Pa

**Paddock** 

- 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.

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

Above Glorieta

No

Greenhill Pet OPERATOR	roleum Corporation	Lovington San Andres Unit LEASE
#6 WELL NO.	660 FNL & 660 FW FOOTAGE LOCATION	
•		<u>Tubular Data</u>
	<u>Su</u>	rface Casing
·	111 51	zo: 16 ". Comented with 100 SX
	TO	C; Surface foot determined by calc.
	257' No	le size: <u>18</u>
	l6"	tormediate Casing
Completed 6/15/45	sı	ze: 8 5/8 " Cemented with 150 SX
Converted to	8 5/8" TO	oc: 1271 feet determined by calc 509
Injection 3/28/63	1 222	ole Size: 11
	L	ong String
	7" s:	Lze: 7 " Cemented with 200 S
•	<b>&gt;</b>	oc: 2229 feet determined by 80% cal
	5000	ole Size: 8
•	•	
	· ·	
		njection Interval
	(	4538 feet to 5000 feet perforated or open-hole, indicate which)
Tubing size 2 3	/8 lined with	IPC set in a
on to on	DAC	(matorial) ker at 4434 foot.
(brand & model)	ther casing-tubing s	
•	. '	
Other Data		
	jection formation	•
2. Name of Field	or Pool (If applicab	1e) <u>Lovington San Andres</u>
	well drilled for inj t purpose was the we	ection? No 11 originally drilled? Production
4. Has the well e intervals and used. No	ver be perforated in give plugging detail	any other zone(s)? List all such perforated. (sacks of cement or bridge plug(s)
5. Give the depth (pools) in thi		overlying and/or underlying oil or gas zones
•		

OPERATOR	troleum Corporation	Lovington Paddock LEASE
12	781' FNL & 660	
WELL NO.	FOOTAGE LOCA	· · ·
		•
·		Tubular Data
•	•	Surface Casing
oud Date		Size: 13 3/8 " Comented with 350 . s
-5-53		•
	133/8"	TOG: Surface feet determined by calc.
	324	Hole size: /7 /4
		Intermediate Casing
		Size: 9 5/8 " Cemented with 2600 S
	L95/8" 4699'	TOC: Surface feet determined by calc
	40-1-1	Hole Size: 12 14
		Long String
		Size: 7 Cemented with450S
		TOC: 2675 feet determined by 70%
	711	Hole Size: 8 1/4
丁		
		Total Depth: 6250'
	•	Injection Interval
		6115 feet to 6248 feet (perforated or open-hole, indicate which)
	2 3/8 lined with	
AD 1 PC		(material)
(brand & mod		packer at 6100 feet.
or describe any	other casing-tubin	ng seal).
Other Data	·	•
l. Name of the	injection formation	Paddock
2. Name of Fiel	d or Pool (If appli	cable) Paddock
3. Is this a ne	w well drilled for that purpose was the	injection? No production production
4. llas the well	. ever be perforated ad give plugging det	i in any other zone(s)? List all such perforated tail (sacks of cement or bridge plug(s)
i. Give the dep	th to and name of a his area.	any overlying and/or underlying oil or gas zones

Greenhill Petroleum Corporation		Lovington	Paddock	
OPERATOR	330	LEASE		
#13	880' FNL & -331' FWL	36	168	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANG

#### Tubular Data

2-13-53 Sometime Csg lenk
2078-2112/2005X
9/8/ Shoot 3helis
at 2114 Cmt W/2953X

Spud Date

Surface Casing

Size: 8-5/8 " Cemented with 650 SX

TOC: Surface feet determined by calc

Hole size: 12/2

Intermediate Casing

Cemented with SX

feet determined by TOC:

Hole size:

Size:

Long String

Size: 5-1/2" Cemented with 225 SX

TOC: 5185 feet determined by 70% calc

Hole size: Est 7 1/2

Total Depth: 6279'

Injection Interval

feet to 6279 feet (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).

85/8 2115'

6258'

TO6279'

#### Other Data

1. Name of the injection formation: Paddock

Name of Field or Pool (If applicable) 2.

- 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.

No

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

Greenhill Pet	Lovington Paddock			
OPERATOR	990	LEASE		
#14	940' FNL & 1741' FEL	. 36	168	36E
 WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

#### Tubular Data

Spud Date Surface Casing 10-27-53 Size: 8-5/8 " Cemented with 975 SX TOC: Surface feet determined by calc Hole size: Intermediate Casing 2110' SXSize: Cemented with TOC: feet determined by Hole size: Long String Size: 5-1/2" Cemented with 400 SX TOC: 3918 feet determined by temp Hole size: Total Depth: 6270' TO 6270' 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:
- 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? <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.

# *Y.*

## INJECTION WELL DATA SHEET

Greenhill Petr	roleum Corporation	Loving LEASE	ton San Andı	res Unit		
				200		
#4 WELL NO.	660 FNL & 1980 FEL FOOTAGE LOCATION	·36	T16S TOWNSHIP	R36E RANGE		<del>-,,</del>
##### 110;		DEV.	TORISHIE	MINGE	<del></del>	
		Tu	bular Data			
	<u>Surfo</u>	ce Casing				
	Size:	<u>13 · "</u>	. Cemented v	with		_sx
	TOC:	Surface	feet de	etermined	by call	C.
	13" Hole	size:	14 3/4			
	11	mediate Cas	ing			
Completed 1/3/39  Converted to Injection 3/28/63	Size:	9 5/8 ~	Cemented	with	500	_sx
	1 / 15/8° TOC:	Surface	feet d	etermined	by cale	C .
	. 307/' Hole	Size:	11 1/4			
	Long	String				
	Size	:	Cemented	with	300	sx
•	•	1910'	feet d			calc.
	·	Size:	8 1/4		•	
	· · · · · · · · · · · · · · · · · · ·	L Depth:	5012'			٠
		ction Interv	val	• .		
		•	feat to	5012	fa	et
	(per	forated or o	pen-hole, 1	ndicate w	hich)	•
Tubing size 2 3/	8 lined with	IPC (mate	orial)		set 1	n a
(brand & model)	packer		4586	fee	t.	•
	ner casing-tubing seal	).				
Other Data				•		
1. Name of the inje	ection formation	San A	ndres	·		
2. Name of Field or	Pool (If applicable)	Lovin	gton San And	dres	•	
	ell drilled for inject purpose was the well o		Irilled?	Producti	ion	
	er be perforated in any lve plugging detail (sa	acks of ceme			perforat	ed
5. Give the depth (pools) in this	to and name of any over area.	rlying and/o	or underlyin	g oil or	gas zone	·S

·Underlying - Grayburg



Greenhill Pet	roleum Corporation	Lovington	Paddock	
 OPERATOR		LEASE		· · · · · · · · · · · · · · · · · · ·
#15	810' FNL & 2130' FWL	36	165	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

Cemented with

SX

TOC:

Size:

feet determined by

Hole size:

Long String

Long String

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

TOC: 3765 feet determined by temp

Hole size: 7 1/2

Total Depth: 6280'

#### <u>Injection Interval</u>

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

- 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? <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 Pet	Lovington	Paddock		
 OPERATOR		LEASE		
#16	660' FNL & 660' FWL	36	16S	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

Circ TOC: Surface feet determined by eale

Hole size: //

#### Intermediate Casing

3110'

Size:

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

Hole size:

Total Depth: 6280'

## TO 6280' Injection Interval

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

Tubing size

lined with - set in a

packer

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

#### Other Data

- Name of the injection formation:
- Name of Field or Pool (If applicable) <u>Paddock</u> 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.

	Greenhill	Petroleum Corporation	Lovington Paddock		
•	OPERATOR		LEASE		
	#18	2310' FNL & 330' FEL	35 16S ,	36E	
<del></del>	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 337 Size: 8-5/8" Cemented with 2150 SX TOC: Surface feet determined by calc Hole size: Long String 85%" 3289' Size: 5-1/2" Cemented with 400 SX TOC: 2650 feet determined by temp survey Hole size: Total Depth: 6275' 51/2" 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 Po	Greenhill Petroleum Corporation		
OPERATOR		LEASE	•
#19	1980' FNL & 990' FWL	36 16S	36E
WELL NO.	FOOTAGE LOCATION	SEC. TOWNSH	IP RANGE

#### Tubular Data

Surface Casing Spud Date 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 SX Size: Cemented with 85/8" TOC: feet determined by . 32471 Hole size: Long String Size: 5-1/2" Cemented with 585 SX TOC: 3964 feet determined by temp survey Hole size: 7/7 Total Depth: 6275' Injection Interval TO 6275'

(perforated or open-hole, indicate which) Tubing size 2-3/8" lined with IPC set in a

packer

6275

feet

feet to

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

#### Other Data

- Name of the injection formation: Paddock
- Name of Field or Pool (If applicable)
- 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

OPERATOR		LEASE		
#20	1830' FNL & 2130' FWL	36	168	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

#### <u>lubular bata</u>

Spud Date Surface Casing 3-24-54 Size: 8-5/8" Cemented with 1800 SX Converted TOC: Surface feet determined by calc to Injection 3/74 Hole size: // Intermediate Casing SX Size: Cemented with 85/8" 3190' TOC: feet determined by Hole size: Long String Size: 5-1/2" Cemented with 500 SX TOC: 3535 feet determined by temp survey Hole size: り 6060' Total Depth: 6262' Injection Interval TO 6262' feet to

(perforated or open-hole, indicate which)

Tubing size lined with - set in a packer

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

#### Other Data

- 1. Name of the injection formation:
- Name of Field or Pool (If applicable) 2. **Paddock**
- Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? <u>Production</u>
- 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	etroleum Corporatio	on	Loving LEASE	ton San Andı	res Unit	
	1000 511 0 17			т166	Dace	
#11 WELL NO.	1980 FNL & 19	·	sec.	T16S TOWNSHIP	R36E RANGE	
Completed 1/40	25" 13" 25%" 2087' 51/2" 4575'	Surface Size: TOC: Hole si Interme Size: TOC: Hole Si Long S	Tues Casing  13 ~  Surface  Lzo:  edinte Cas  8 5/8 ~  555  izo:  tring	Cemented of the feet de feet de feet de feet de feet de	with etermined with etermined	by <u>calc</u> 500 sx  by 50% calc
	. L 4996 TD	Hole S Total Inject (perfo	ize; Depth; ion Inter	6 1/4" 4996'		
Tubing size	lined with		(mate	erial)	•	set in a
(brand & mode (or describe any	1) other casing-tubir	,	t		fee	t.
Other Data					•	-
1. Name of the 1	njection formation	l	San	Andres		
2. Name of Field	or Pool (If appli	cable)	Lov	ington San A	Indres	•
	well drilled for at purpose was the				Produc	tion
	ever be perforated give plugging det					
5. Give the dept (pools) in th	h to and name of a	iny overl	ying and/	or underlyin	ng oil or	gas zones
. <u>Un</u>	derlying - Graybur	·qp				

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

#### Tubular Data

Surface Casing Spud Date 7-26-53 Size: 10-3/4" Cemented with 500 SX Converted TOC: Surface feet determined by calc Circ to Injection 2/73 Hole size: 15 Intermediate Casing 5/2 /inir 6275
3312-6275
W/48054 5054
5976 40FW/5054 10/34 Size: 7-5/8" Cemented with 1000 SX 481' TOC: Surface feet determined by calc Hole size: Long String Size: 5-1/2" Cemented with 630 SX 3638 feet determined by temp survey Hole size: Total Depth: 6275' Injection Interval 6103 feet to 6226 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

1. Name of the injection formation:

**Paddock** 

- 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? <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

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

Greenhill Petro	oleum Corporati	ion Lovington San Andres Unit LEASE
#9 WELL NO.	1980 FNL & 6	660 FEL 36 T16S R36E
nada 110.	TOOMISH 200	ONAZON BEG. ZONNOMIZZ ZMRIOD
		Tubular Data
	111	Surface Casing
		Size: 13 ". Cemented with 250 SX
•	330	TOC: Surface feet determined by calc
		Hole size: 17-1/4 /5
		Intermediate Casing
Completed	3080'	Size: 8 9 5/8 " Cemented with 250 SX
9/23/39	9.5/1	TOC: 1924 feet determined by 50% calc
	1.75	Hole Size: 12
•	4517	Long String
		Size: 7 " Cemented with 250 SX
•	5100	TOC: 3074 feet determined by 80% calc
	•	Hole Size: 8 3/4
• •		Total Depth: 5100' 727
	•	Injection Interval
		feet to feet (perforated or open-hole, indicate which)
Tubing size	lined with	(material) set in a
		packer atfeet.
(brand & model) (or describe any oth	er casing-tubi	ing seal).
Other Data		
1. Name of the inje	ction formation	San Andres
2. Name of Field or	Pool (If appl.	Licable) Lovington San Andres
		r injection? No Production Production
	ve plugging de	ed in any other zone(s)? List all such perforated etail (sacks of cement or bridge plug(s)
5. Give the depth t (pools) in this		any overlying and/or underlying oil or gas zones
Und	erlying - Gray	yburg

Greenhill Pe	troleum Corporation	Lovington	Paddock	
OPERATOR		LEASE		
#22	2080' FNL & 660' FEL	36	16S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

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

Spud Date 9-10-52	111	Surface Casing
9-10-52		Size: 10-3/4" Cemented with 400 SX
		TOC: Surface feet determined by calc
51/2 lines 3273-6350	10-3/4"	Hole size: 13 3/8
3273-655	401'	Intermediate Casing /200
		Size: 7-5/8" Cemented with 2014 SX
		TOC: Surface feet determined by calc
		Hole size: 9 1/8
		Long String 845
Phy book from 8603	] \\ \?\1389'	Size: 5-1/2" Cemented with -600 SX
Plus bock for		TOC: 3581 feet determined by temp
		Hole size: 6 34
6533		Total Depth: 6350 8603
45 57 6464 - 6303 45 57 6464 - 6303	5/2"	Injection Interval
Drill out to 6350	TO 6350'	- feet to - feet (perforated or open-hole, indicate which)
Total to a star of		n=1 4n -

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.

# T

#### INJECTION WELL DATA SHEET

Greenhill P	etroleum Corporation	Lovington Paddock		
OPERATOR	2321,9	LEASE		
#23	<del>2392'</del> FNL & 750' FWL	31	165	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

#### Tubular Data

Spud Date 3-29-52	111	Surface Casing
Converted		Size: 13-3/8" Cemented with 350 SX
to Injection		TOC: Surface feet determined by calc
2/73	1271.4	Hole size:
CIBP 6310'	133/3" 352'	Intermediate Casing
Cmt. to 6300'		Size: 9-5/8" Cemented with 2250 SX
		TOC: Surface feet determined by calc
		Hole size: '
	25/2"	Long String
7 " Inir	4460'	Size: 7" Cemented with 500 SX
7 "/mir 4171-8250		TOC: 2250 feet determined by temp ?
		Hole size:
	A#	Total Depth: 8450'
	8250'	Injection Interval
	TO 8450'	6120 feet to 6170 feet (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:

No

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

reenhill Petroleu	m Corporation	Lovington Paddock
OPERATOR		LEASE
24	2310' FNL & 1	
WELL NO.	FOOTAGE LOCA	CATION SEC. TOWNSHIP RANGE
		Tubular Data
Spud Date	•	Surface Casing
9-12-53		Size: 8 5/8 " Cemented with 950. SX
Deepen to 6280		Too: Surface feet determined by calc.
•		
		liole size: //
		Intermediate Casing
		Size: Cemented with SX
	85/8"	TOC: Surface feet determined by ćalc.
	2072	Hole Size:
		Long String
		Size: 5 1/2
•	• •	•
•		Too: 4077 feet determined by temp surve
	51/211	Nole Size: 7 <sup>7</sup> /8
_	\$ 61331	Total Depth: 6257'
· 7	D 6257'	Injection Interval
		6111 feet to 6280 feet
		(perforated or open-hole, indicate which)
Tubing size 2 3/	11ned with	IPC set in a
Baker AD-1 PC		(material) packer at 6050 feet.
(brand & mode	el) other casing-tubin	
•		
Other Data		Paddock
1. Name of the	injection formation	711
2. Name of Fiel	d or Pool (If appl	Licable) Paddock
3. Is this a ne If no, for w	w well drilled for hat purpose was th	r injection? No Production e well originally drilled?
4. llas the well intervals an	ever be perforate	ed in any other zone(s)? List all such perforated stail (sacks of cement or bridge plug(s)
		any overlying and/or underlying oil or gas zones
(pools) in t Ab	nis area. Ove Glorieta	

Greenhill Po	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:

51/2° 4610

TD

4918'

Long String

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) 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 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

Rice Engin	eering	Abo SWD (State "O")		
OPERATOR		LEASE		
13	2310' FNL & 2626' FWL	31	165	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

#### Tubular Data

Completed 1-18-53

Converted to SWD (Inject thru 9730-10260)

cmt bond log 1964
top good cmt 3765
sq2d several intervals
above and below this
point.

Surface Casing

Size: 13-3/8" Cemented with 246 SX

TOC: Surface feet determined by calc

133/8" 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"

Long String

682 at shoe

Size: 5-1/2" Cemented with 1982 SX at 8988

TOC: 247 feet determined by 80% calc

Hole size: 7-7/8"

Total Depth: 12,251

51/2" Injection Interval

 $\frac{\int_{A_{i}}^{B_{i}} dA_{i}^{A_{i}}}{\int_{A_{i}}^{B_{i}} \int_{A_{i}}^{B_{i}} dA_{i}^{A_{i}}} - \text{feet to } - \text{feet}$ 

Tubing size - lined with - set in a

packer

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

95/z" 3270'

#### Other Data

- 1. Name of the injection formation:
- 2. Name of Field or Pool (If applicable) <u>East Lovington (Penn)</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.

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 TOC: Surface feet determined by cale to Inj. 12/54 11 Hole size: Intermediate Casing 3215 Cemented with SX Size: TOC: feet determined by Hole size: Long String Size: 5-1/2" Cemented with 450 SX 5%" TOC: 4160 feet determined by temp 6/061 survey 7 7/8 Hole size: TD 6270' Total Depth: 6270' Injection Interval

(perforated or open-hole, indicate which) Tubing size 2-3/8" lined with IPC set in a

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

#### Other Data

- 1. Name of the injection formation:
- <u>Paddock</u>

feet to

6270

feet

packer

6107

- 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? <u>Production</u>
- 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.

Greenhill Petro	oleum Corporation Lovington San Andres Unit LEASE
#43	1980 FNL & 660 FWL 1 T17S R36E
WELL NO.	FOOTAGE LOCATION SEC. TOWNSHIP RANGE
· · · · · · · · · · · · · · · · · · ·	Tubular Data
	Surface Casing
	Size: 13 " Comented with 200 SX
	TOC: Surface feet determined by circulation
	1101e size: 17 1/2
	1/13" Intermediate Casing
Completed	Size: 8 5/8 " Comented with 600 SX
6/19/41	TOC: 199 feet determined by 50% calc
Repento 5030'	203¢' Hole Size: 11"
•	Long String
	Size: 5 1/2 " Cemented with 350 SX
•	Tog: 2679 feet determined by 80% calc
	15½" 15%' Hole Size: 7 7/8"
• •	Total Depth: 4990'
	TD 4990' Injection Interval
	4546 feet to 5030 feet (perforated or open-hole, indicate which)
m.11.	23/6 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
lubing size	23/8 lined with TPC set in a (material)
(brand & model)	packer at — 453.6 feet.
(or describe any oth	nor casing-tubing soal).
ther Data	
l. Name of the inje	ection formation
2. Namo of Field or	r Pool (If applicable) Lovington San Andres
	ell drilled for injection? No purpose was the well originally drilled? Production
intervals and gused.	er be perforated in any other zone(s)? List all such perforated ive plugging detail (sacks of cement or bridge plug(s)
No ·	
5. Give the depth (pools) in this	to and name of any overlying and/or underlying oil or gas zones area.
Underlyi	ing - Grayburg

Texacot	Producing Inc.			
Tidewater Oi	Producing Inc.	State "P"		
OPERATOR		LEASE		
11	1980' FNL & 660' FWL	. 32	168	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'

Size: Cemented with

SX

TOC:

feet determined by

Hole size:

Long String

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

TOC: Surface feet determined by 80%-calc

上6399· 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.
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

pleted 1-39 pened 23-86		FSL & 16 DTAGE LOCA			37E RANGE	
wELL NO. pleted 1-39 pened			TION S Surface Cas	EC. TOWNSHIP  Tubular Data  ing		
1-39 pened				ing		
1-39 pened					• .	
1-39 pened			Size: 13	" M Camanhad -		
pened				cemenced A	ilth	200 s
			Toc: Surf	ace feet de		
	·			17-1/4"		
	1	11	Intermediat	ce Casing ·		
				'8 " Cemented	with	500 -400 s
		L2951	тос:1818	feet de	etermined	by calc
			Hole Size:	12"		
			Long Strin	y . I		
			•	Cemented	od th	300 200- s
	•		<del></del>			
		2994	TOC: 3840	·	etermined	by care
	٠.	95/8"	Hole Size:		<del></del> : ·.	
			Total Dept	h: 5110'	· ·	
	•	4531'	Injection	<u>Interval</u>	f	
		1972	4531 (perforate	feet to		feet
Tubing size 2-	-3/8" 1	Lined with		IPC	· ·	set in
	•	•		(material) ·	0.1	<del></del>
(brand & mod				4510	fee	t.
(or describe any	y other cas	sing-tubin	g seal).		· · · .	•
Other Data		· :			•	•
1. Name of the	injection	formation		San Andres	· · · · · · · · · · · · · · · · · · ·	
2. Name of Fie	ld or Pool	(If appli	cable) Lov	ington San Andres	•	
3. Is this a n If no, for				No nally drilled? Pr	oduction	
4. Ilas the wel	1 ever be	perforated	in any othe	er zone(s)? List of cement or bridg	all such	
(pools) in Und			ny overlying	; and/or underlyi	ng oil or	gas zones

OPERATOR	eum Corporation	Lovington San Andres Unit LEASE
· #17	· 660 FNL & 330 F	EL 31 T-16S R37E
WELL NO.	FOOTAGE LOCATION	
	· .:	
•	. •	maluatura baku
	•	Tubular Data
	. <u>S</u>	urface Casing
	S	ize: 8 5/8 ". Cemented with 450 SI
•	T	OC: Surface feet determined by calc-
	1 85/5"	lole size: 10 1/4
	1 1 73	intermediate Casing
•		Size: Comented with S
Completed		
9/17/46	ı	foc: feet determined by
leepen to	1	iole Size:
5090	1	Long String
	j	Size: 5 1/2 " Cemented with 400 s
•		
	\_4623' \\ \{5\sigma_3''}	roc: 1832 feet determined by 80% cal
, 	1 ~	Hole Size: 7 1/4
•	TO 4935	Total Depth: 4935'
		Injection Interval
	•	4623 feet to 5090 feet
	•	(perforated or open-hole, indicate which)
Tubing size	lined with	
water flood tension	acker no	(material) cker at 4603 feet.
(brand & model)		
(or describe any other	er casing-tubing	seal),
Other Data		
1. Name of the inje	ction formation _	San Andres
2. Name of Field or	Pool (If applies	ble) Lovington San Andres
. •		
	ll drilled for in purpose was the w	jection? No Production Production
		n any other zone(s)? List all such perforated. 1 (sacks of cement or bridge plug(s)
No.		
5. Give the depth t (pools) in this		overlying and/or underlying oil or gas zones
	<u>ıderlying - Grayb</u> ı	

Greenhill Pet	roleum Corporation	Lovington San Andres				
OPERATOR	, ,	LEASE				
#25	1980' FEL & 660' FS	L 36 16S 36E				
WELL NO.	FOOTAGE LOCATION	SEC. TOWNSHIP RANGE				
	•	Tubular Data				
	Sur!	face Casing				
	Size	e: 13 " Cemented with 200 SX				
Completed 10-18-39	TOC	: Surface feet determined by circ				
	Hol	e size: 17-1/4"				
		ermediate Casing				
		e: 8-5/8 " Cemented with 400" SX				
	TOC	: 1765 feet determined by calc				
	Ho1	e Size: 11"				
	1 1 1	g String				
	Laggo'   85/8' Siz	e: 5-1/2 " Cemented with 200 SX				
	TOO	: 3424 feet determined by calc				
	• •	e Size: 7-7/8"				
	\ 4515' \ 51/2'' Tot	al Depth: 5094'				
	1	ection Interval				
	15094' - (pe	4515 feet to 5090 feet erforated or open-hole, indicate which)				
Tubing size 2-	/8 lined with					
· wate	erflood tension packe	(material) er at 4495 feet.				
(brand & mode						
Other Data		•••				
	injection formation	San Andres				
,	d or Pool (If applicable					
		N.				
	w well drilled for inject hat purpose was the wel					
	d give plugging detail	any other zone(s)? List all such perforated (sacks of cement or bridge plug(s)				
-		verlying and/or underlying oil or gas zones				
(pools) in the						
und	derlying-Grayburg					

Greenhill Petroleum Corporation OPERATOR			Lovington San Andres LEASE			
	ccol rw a 10	nol ru		. 170	265	
#31 WELL NO.	FOOTAGE LO		SEC.	17S TOWNSHIP	36E RANGE	
			Tu	bular Data		
mpleted 2-22-39	111	Surface	Casing	,		
epened	111	Size:_	13 ~	Cemented v	vith 200	sx
6-20-87.		TOC: _	Surface	feet de	etermined by	circ
		Hole s	ize: <u>17</u>	7-1/4"		
		291' ろ" <u>Interm</u>	ediate Cas	ing		
		Size:_	8-5/8 ~	Cemented	with 500	sx
		TOC: _	2021	feet de	etermined by	calc
		09' Hole S	ize:	11"		
		Long S	tring			•
		Size:_	5-1/2	Cemented	with 325	sx
	-454	יון TOC: _	2890	feet d	etermined by	calc s
· ,	51/		· .	7-7/8"		•
			Depth: _	5125		
	$\int T$		ion Inter	val		
	I sia	\	1541 orated or	feet to open-hole, i	5125 ndicate whic	feet
Tubing size2-	3/8" lined wit	th	IPC			set in a
water flood	tension	•	(mat	erial) 9	feet.	٠
(brand & mode) or describe any	•	oing seal).		•	•	
·			•	•		
ther Data				•		
Name of the i	njection formati	ion	San	Andres		
. Name of Field	or Pool (If app	plicable)	Lovingt	on San Andre	25	
	well drilled fo at purpose was			drilled? F	roduction	· · · · · · · · · · · · · · · · · · ·
	ever be perfora give plugging o	· ·			-	forated

Underlying-Grayburg

	etroleum Corporatio		ington San Andr	es Unit .
OPERATOR		. LEAS	SE	
#16	2310 FEL & 1980			R37E
WELL NO.	FOOTAGE LOCA	TION SEC	. Township	RANGE
•				
	•		Tubular Data	
	111	Surface Casin	g	•
		Size: 13 ·	Comented w	ith 200 sx
		TOC:	feet de	stormined by
	13"		15 1/4	•
	294'	Intermediate		
			•	
Completed			8 " Cemented	
12/6/39	85/8"			etermined by
Converted to	- 3005'	Hole Size:	10 1/4.	
Injection 3/16/63		Long String		
	51/2"	Size: 5 1/	2 " Cemented	w1th <u>200</u> 5X
:	\frac{1}{4605'}		<del></del>	etermined by 80% ca
•	L 4950,			1
·· .		Hole Size:	6 3/4	, .
		Total Depth:	4950'	
• •	•	Injection In	terval	•
		4605	feet to or open-hole, i	4950 foot
Tubing aire	3/8 lined with	•	IPC	sot in a
Tuothig alze		. (	material)	
(brand & mode	o1)	packer at	4557	feet.
	other casing-tubin	g scal).		•
Other Data		•	•	•
1. Name of the	injection formation		San Andres	•
	d or Pool (If appli		•	n Andras
Z. Mund of Field	d or root (it appir	cable/	LOVING Sui	. ·
	w well drilled for hat purpose was the			Production
				all such perforated
intervals and used.	d give plugging det No	ail (sacks of	cement or brid	ge plug(s)
**************************************	,		•	
5. Give the dep (pools) in t	th to and name of a his area.	ny overlying a	und/or underlyi	ng oil or gas zones
•	Underlying - Grayb	oura .		

Texaco ' OPERATOR	State "O" LEASE
HELL NO.	1650' FSI, & 2310' FEI. 31 16S 37E FOOTAGE LOCATION SEC. TOWNSHIP RANGE
	Tubular Data
Completed 8-08-52	Surface Casing  Size: 13-3/8 ~ Comented with 245 . SX  TOC: Surface feet determined by calc  liole size: 18"  234 Intermediate Casing  Size: 8-5/8 ~ Comented with 1800 SX  TOC: Surface feet determined by calc  liole Size: 12-1/4"  Sign Long String  Size: 5-1/2 ~ Comented with 700 SX  TOC: 3984 feet determined by 80% calc  liole Size: 7-7/8"  Total Depth: 8444'  Syguyy TD Injection Interval  [feet to
Tubing size	lined with set in a (material)
Other Data	packer atfoet.
<ul><li>3. Is this a ne</li><li>If no, for w</li><li>4. Has the well</li></ul>	d or Pool (If applicable)  No  well drilled for injection?  hat 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)
•	

Greenhill   OPERATOR	Petroleum Corporation	<u> </u>	Loving LEASE	ton San Andri	25
#60	1283' FSL & 2527'	FWL	31	16S ·	37E
WELL NO.	FOOTAGE LOCA		SEC,	TOWNSHIP	RANGE
		· · · · · · · · · · · · · · · · · · ·	Tu	bular Data	
Completed	•	Surfac	e Casing		
1-31-90		Size:_	13-3/8~	Cemented w	1th 450 s
		TOC: _	Surface .	feet de	termined by <u>circ</u>
		Hole s	ize: 1	7-1/2"	
_		Intern	nediate Cas	sing	
·		Size:	8-5/8′	" Cemented v	vith 600
	20531				stermined by calc
	85/8	_	Size: 14"		
·			String		
				" Cemented	with 1450
•	5340'	•			etermined by <u>calc</u>
•	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	·	Size: 7		,
	)		Depth: _		
	15400' TD				
		Injec	tion Inter	<del></del>	
			•	-	ndicate which)
Tubing size	lined with	<del></del>	(mat	erial)	set in
(brand & mo		packer	at		feet.
	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)	Lovingt	ton San Andre	28
3. Is this a n If no, for	new well drilled for what purpose was the	injecti well o	Lon? No	drilled?	roduction
	1 ever be perforated and give plugging det	ail (sa		ment or bridg	
5. Give the de (pools) in	epth to and name of a				ng oil or gas zones
Un	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 Sept - 68, sqzd From 6400,5000,4600 with total 1200 sx 70C 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

Hole size: 12"

3360'

95/8"

## Long String

Size: 7" Cemented with 404 SX

TOC: 3798 feet determined by 80% calc

?" 8460'70 Hole size: 8"

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

`	Petroleum Corporation Lovington Paddock
OPERATOR	LEASE
# 27	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, sx
Converted to	TOC: Surface feet determined by calc
Injection 6/67	15% Hole size: 17-1/4"
	Intermediate Casing
	Size: 8-5/8 " Cemented with 900 SX
	TOC: 656 feet determined by 50% cal
. •	gr's liole Size: 11"
	Long String
	Size: 5-1/2 " Cemented with 250 SX
,	TOC: 4692 43/6 feet determined by 80% eal
	Hole Size: 7-7/8"
	6275' Cosy Total Depth: 6275'
• •	TD Injection Interval
	6275 6080 627F
•	(perforated or open-hole, indicate which)
Tubing size 2-3/	'8" lined with IPC set in a
Auding Bizo	(material)
(brand & model	packer at 6000 feet.
	other casing-tubing seal).
Other Data	
	Paddock
1. Name of the in	njection formationPaddock
2: Name of Field	or Pool (If applicable)
	well drilled for injection? <u>No</u> at 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)
used.	o

OPERATOR	roleum Corporation Lovington San Andres Unit LEASE	
#14	1980 FSL & 818 FWL 31 T16S R37E	
WELL NO.	FOOTAGE LOCATION SEC. TOWNSHIP RANGE	
	Tubular Data	
•	Surface Casing	
	Size: 10 3/4 ~ Comented with 250	S
	TOC: Surface feet determined by ca	
•	10.1/4	
	10 3/4" Hole size: 12 1/4 Intermediate Casing	
	Size: 7 5/8 " Cemented with 500	S
completed		
8/7/39	75%" TOC: 363.7 feet determined by 50%	ca
Converted to Injection	1101e Size: 9 1/4 ·	
3/15/63	Long String	
•	Size: 5 1/2 " Cemented with 200	;
•	5½ TOC: 604' Feet determined by 80%	ca
·.	Hole Size: 6 1/4	
	5087 Total Depth: 5087'	
	Injection Interval	
		ot
•	(perforated or open-hole, indicate which)	
Tubing size2	3/8 lined with IPC set	ln i
	(material) packer at 4468.11 feet.	•
(brand & model or describe any o	.) ther casing-tubing seal).	
ther Data		
	daablan fawablan	
•	ijection formation <u>San Andres</u>	
. Name of Field	or Pool (If applicable) Lovington San Andres	
. Is this a new If no, for wha	well drilled for injection? No not purpose was the well originally drilled? Production	
	ever be perforated in any other zone(s)? List all such perfora give plugging detail (sacks of cement or bridge plug(s)	tod
used.		

<u> Underlying - Grayburg</u>

Greenhill Pe	troleum Corporation	Lovington	Paddock		
 OPERATOR		LEASE			
#28	2108' FSL & 624' FWL	31	168	37E	
 WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE	

#### Tubular Data

Spud Date 5-02-53

#### Surface Casing

Size: 9-5/8" Cemented with 850 SX

TOC: Surface feet determined by calc

Hole size: 12/4

Intermediate Casing

Size:

Cemented with

SX

\_ 43/8" 2011'

TOC:

feet determined by

Hole size:

Long String

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

TOC: 3869 feet determined by 70% calc

5%" TO 6252

Hole size: 7 %

Total Depth: 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

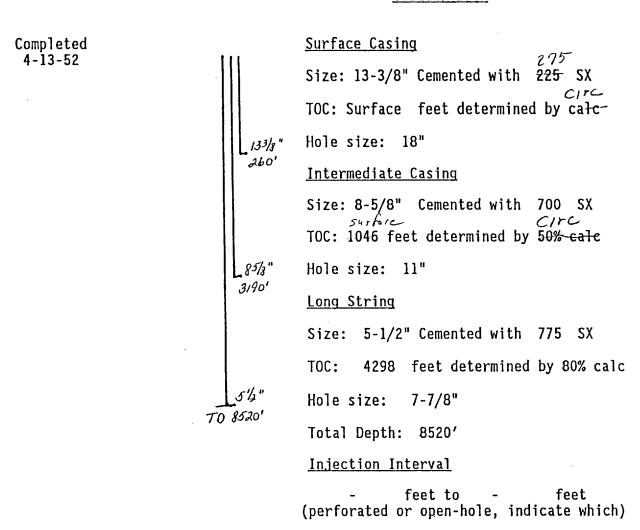
- 1. Name of the injection formation:
- Name of Field or Pool (If applicable) <u>Paddock</u>
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? <u>Production</u>
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated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

110

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

Texaco	State "O"			
OPERATOR		LEASE		
10	440' FWL & 3080' FNL	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

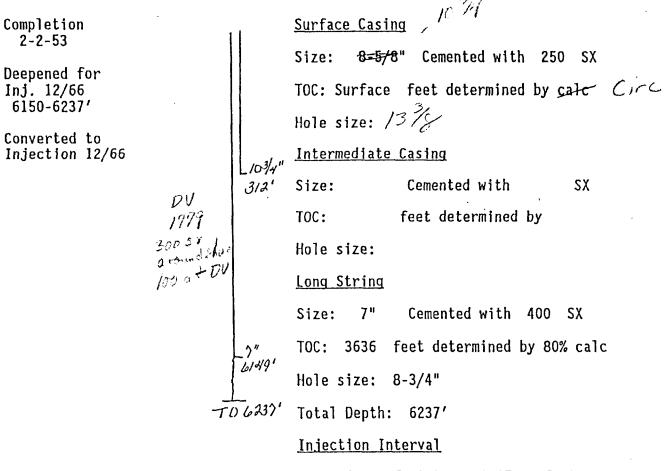
- 1. Name of the injection formation:
- 2. Name of Field or Pool (If applicable) Lovington Abo
- 3. Is this a new well drilled for Injection? No If no, for what purpose was the well originally drilled? Production
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals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



Greenhill Pet	croleum Corporation	Lovington	Paddock	
OPERATOR	<i>H</i> 30	LEASE		
#33	1650' FSL & 4 <del>00</del> ' FEL	36	165	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

## <u>Tubular Data</u>



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? <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	Petroleum Corporation	Lovington	Paddock	
OPERATOR		LEASE		
#32	1750' FSL & 1650' FEL	36	168	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

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

Spud Date Surface Casing 3-19-53 Size: 8-5/8" Cemented with 1000 SX TOC: Surface feet determined by cate しんし Hole size: // Intermediate Casing SX Size: Cemented with 85/8" 2097' TOC: feet determined by Hole size: Long String Size: 5-1/2" Cemented with 300 SX TOC: 4400 feet determined by temp survey Hole size: Total Depth: 6229' 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? <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.

111

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

	etroleum Corp.	Lovington Paddock
· OPERATOR		. LEASE
84	1100 561 6 22	185 FSL 36 T/65- R36 E
WELL NO.	FOOTAGE LOCA	ATION SEC. TOWNSHIP RANGE
		•
	,	Tubular Data
•	•	
		Surface Casing
,		Size: 13 3/8 ". Comented with 500 SX
•		TOC: Surface foot determined by cake
omp4/5/90	13%	Holo size: 171/2
	350	Intermediate Casing
		Size: 8 % " Cemented with 1200 SX
	85/8	TOC: Surface feet determined by 50% cal
•	3019	Hole Size: //
		Long String
		Size: 5½ " Cemented with 1040 SX
•	- 6484	TOC: 788 feet determined by 80%co
	70 6470	Hole Size: 77/8
	, .	Total Depth: 6470
		Injection Interval
		feet to feet
		(perforated or open-hole, indicate which)
Tubing aire	lined with	set in a
Tubing size	TITIEU WICH	(material)
		packer atfeet.
(brand & mod (or describe any	el) other casing-tubir	ng seal).
Other Data		•
1. Name of the	injection formation	1
2. Name of Fiel	d or Pool (If appli	Icable) Louington Paddock
		injection? <u>No</u> well originally drilled? <u>prod</u>
4. lias the well	. ever be perforated	i in any other zono(s)? List all such perforated tail (sacks of cement or bridge plug(s)
5. Give the dep	th to and name of	any overlying and/or underlying oil or gas zones
(pools) in t	his area.	
•	(Above) Glo	prieta

T

	ton San Andres	LEASE	10n	oleum Corpora	Greenhill Petro OPERATOR
· · ·	16S 36E TOWNSHIP RANGE	36 SEC.	4 1980' FEL GE LOCATION	1980' FSL FOOT/	#54 WELL NO.
	N.,		·		
	ibular Data	Tub			
	•	e Casing	Surfa		d 1-7-63
sx	Cemented with 240	<u>7-5/8</u> ″	Size:	7	may 89 H/2 C  H/2 C  H/2 C  H/2 C  H/3 C  H/3 C  H/3 C
cate (	feet determined by <u>cal</u>	Surface	TOC:	1/2 CE .	11 way
	•	size: <u>9-7</u>	)5/8" 352' Hole	V x 1608	rp"
	ing	nediate Casi	<u>Inter</u>	11/6	15
sx	Cemented with	н	Size:		846) 1100 E
	feet determined by	•	_		₹1% <sup>™</sup>
	·	Size:			
		String			
SX	Cemented with 235		41/2"	}	
			Τ0	. 1	
iemp surv	feet determined by Tem				
-	6-3/4"	Size:6	Hole		
	5110'	Depth: 5	Total		•
	<u>val</u>	tion Interve	Injec		
n) feet	feet to 5037 fopen-hole, indicate which)		466 (peri	··	
set in a		IPC	with	2" line	ubing size
	erial) feet.		packer		?
				lel)	(brand & mode r describe any
•		,	,	•	her Data
		C 1-1			
•	<u>5</u>	san Andres	mation	injection fo	Name of the
		•	applicable)	.d or Pool (I	Name of Field
•					Is this a new If no, for wh
forated	e(s)? List all such perfora ent or bridge plug(s)				
		cks of cemen	ng detail (s	nd give plugg	intervals and used.

Greenhill 1	Petroleum Corp.	State "p" Lovine for Paddeckl
OPERATOR	,	LEASE
83	2310 FWL 6/65	O FSL Sec 36 T165-R36E
WELL NO.	tootage loca	ATION SEC. TOWNSHIP RANGE
		•
•		Tubular Data
	•	Surface Casing
	111	•
		Sizo: 1318 Comented with 245 SX
		TOC: feet determined by
completed	1374	. Hole size:
10/11/52	,	Intormediate Casing
(180		
set 6400 New 18TD 6370 1/20/86	,    ,	Size: 8 1/8 " Comented with 1200 SX
New 10 12 0110 1/20/82		TOC: Surface feet determined by 5090 cal
•	4 %   J290	Nole Size: //
	3240	Long String
		Size: 5½ " Comented with 900 SX
	51/2	TOC: 355/ feet determined by 80% calc
	L TD	
	8484	Nole Size: 77/8
		Total Depth: 8454
•		Injection Interval
		fact to feat
		(perforated or open-hole, indicate which)
Tubing size	lined with	sot in a
		(material)
(brand & mode)	1.)	packer atfeet.
(or describe any o	other casing-tubi	ng meal).
Other Data		
1. Name of the in	niection formatio	n
	· .	
2. Name of Field	or Pool (If appl	icable) Loving ton Abo
3. Is this a new If no, for wh	well drilled for at purpose was th	injection? <u>No</u> o well originally drilled? <u>production</u> .
4. lias the well	over be perforate	d in any other zone(s)? List all such perforated tail (sacks of cement or bridge plug(s)
Company of the Compan		
5. Give the dept (pools) in th		any overlying and/or underlying oil or gas zones
•	A bouc	Glorieta

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

## Tubular Data

Completed Surface Casing 10-11-53 8-5/8" Cemented with 975 SX Size: Converted to Injection 10/75 TOC: Surface feet determined by cate (Inc Hole size: 11" Intermediate Casing Cemented with SXSize: 2080' TOC: feet determined by Hole size: Long String Size: 5-1/2" Cemented with 275 SX temp. Survey TOC: 4574 feet determined by 80% cale 5/2" Hole size: 7-7/8" 6072' Total Depth: 6256' TO 6256' Injection Interval 6072 feet to 6256 feet

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

packer

(perforated or open-hole, indicate which)

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.

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

Above Glorieta

No

<del>Cities Se</del> r	vice Penroc	State A	<b>ΛΕ</b>		
 OPERATOR		LEASE			
2 Y	1420' FSL & 990' FWL	36	168	36E	
 WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE	•

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

Surface Casing Size: 13-3/8" Cemented with 350 SX TOC: Surface feet determined by calc-Hole size: 17-1/2" 133/2" 303' Intermediate Casing Size: 8-5/8" Cemented with 1800 SX 85/8" TOC: Surface feet determined by calc 3328' Hole size: 12-1/4" Long String 51/2" Size: 5-1/2" Cemented with 1330 SX TD 8510' temp. survey TOC: 1265 feet determined by 80% calc 7-7/8" Hole size: 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).

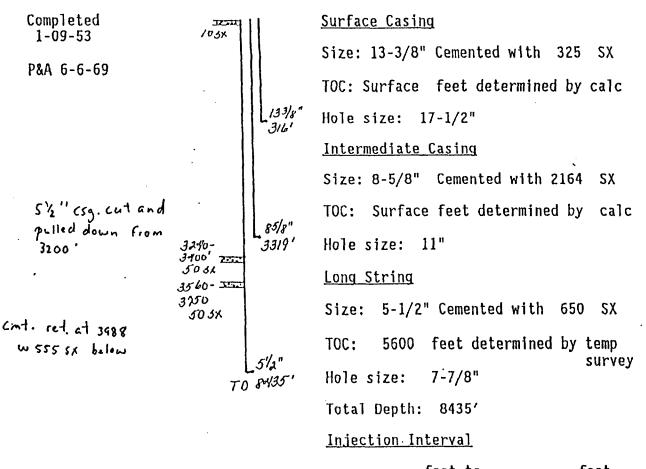
#### Other Data

- 1. Name of the injection formation:
- 2. Name of Field or Pool (If applicable) Loyington 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

Cities Serv	rice	State A	E	
OPERATOR		LEASE		
2	3630' FNL & 4290' FEL	36	16S	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) 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

Greenhill Ke	troleum Corporation	Lovington Paddock
· OPERATOR		LEASE
31	1650' FSL & 890' FWL	36 16S 36E
WELL NO.	FOOTAGE LOCATIO	
		Tubular Data
•	C.	
Spud Date	111	urface Casing
12-16-53	Si	ze: 13 3/8 " Comented with 350 SX
Deepen to 6295	TO	OG: Surface feet determined by calc
	13 3/2 11 Ho	ole size:
	11 20-1	ntermediate Casing
	S:	ize:8 5/8 " Cemented with 2300 SX
		OC: Surface feet determined by calc
	L 85/8"	
•	33161	ole Size: //
	<u>L</u>	ong String
	S	ize: 5 1/2" Cemented with 400 SX
	T	OC: 4350 feet determined by temp surv
	H	ole Size: 7 1/8
		otal Depth: 6204'
	<b>ξ</b> 6000	· :
	TD 62041	njection Interval
	7	6080 feet to 6295 feet perforated or open-hole, indicate which)
		IPC
Tubing size Baker AD-1	lined with	(material) 6050
(brand & mod	pac	eker atfeet.
	other casing-tubing s	eal).
Other Data	•	
1. Name of the	injection formation	Paddock
	Ld or Pool (If applicat	Paddock Paddock
	•	No
	ew well drilled for inj what purpose was the we	Production Production
	nd give plugging detail	n any other zone(s)? List all such perforated l (sacks of cement or bridge plug(s)
	No -	
(pools) in	this area.	overlying and/or underlying oil or gas zones
Above Glo	rieta	

Greenhill F	Petroleum Corporation	Loving	ton San Andr	es	
OPERATOR		LEASE			
#59	1980' FSL & 660' FWL	L · 36	168	36E	
WELL NO.	FOOTAGE LOCATI		TOWNSHIP		
	. •				
•					
		I	ubular Data		
Completed	5	Surface Casing	• •		
6-29-65		Size: 8-5/8	" Comented	with 825	sx ·
	1 1 1	roc: Surface			•
	1 1 1	Hole size:			
		Intermediate Ca			
		Size:	· . <del>-</del>	with	SX
	1 901 1	TOC:			
		Hole Size:			
•		Long String			
		Size: 4-1/2	" Cemented	with 450	sx
•	·	TOC: 3581			
•	L5660'	Hole Size:			•
	Th	Total Depth:			
	•	Injection Inte			•
,		4666		En24	Foot
		(perforated or		5034 Indicate whic	feet h)
Tubing size	2" lined with		IPC		set in a
Halliburton R	R-3 Tension pa	(ma	terial)	foot	
(brand & mo	odel) .		4019	1000,	
(or describe ar	ny other casing-tubing	seal).			
Other Data					
1. Name of the	e injection formation _	San	: Andres		
2. Name of Fig	ald or Pool (If applica	able) Loving	ton San Andre	25	
				,	
3. Is this a r If no, for	new well drilled for in what purpose was the v			roduction	
	ll ever be perforated in and give plugging details	•	•	•	cforated
	epth to and name of an	y overlying and	i/or underlyi	ng oil or gas	zones
	this area.				
Un	derlying-Grayburg	•		•	

	Greenhill Pet	troleum Corporation	Lovington	Paddock		
_	OPERATOR		LEASE			
	#30	3630' FNL & 330' FEL	35	168	36E	
	WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE	

### Tubular Data

Surface Casing Completed 4-12-53 Size: 13-3/8" Cemented with 350 SX 4/53 Plugged TOC: Surface feet determined by calc Back from Abo Cmt 6275-6400' 133/8" Hole size: Cmt 8240-8400' 3391 Intermediate Casing :Cmt 8600-8760′ Size: 8-5/8" Cemented with 400 SX Converted to Injection 12/66 TOC: Surface feet determined by calc Hole size: 85/3" 3369' Long String Size: 5-1/2" Cemented with TOC: 4200 feet determined by temp survey Hole size: 7-7/8" 5%" Total Depth: 8760' 6087 PBTD Injection Interval 6270' 6087 feet to 6270 TO 8260' (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:

No

Paddock

- 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
- 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 P OPERATOR	etroleum Corporation	Lease Lease
	330' FNL & 990' FE FOOTAGE LOCAT	EL 6 17S 37E
<u> </u>		Tubular Data
Completed		Surface Casing
7-24-46		*
		Size: 13 " Cemented with 20 SX
	20'	TOC: Surface feet determined by circ
	13"	Hole size: 15"
		Intermediate Casing
		Size: 7-5/8 " Cemented with 500 SX
Deepento 5030		TOC: Surface feet determined by calc
		Hole Size: 9-3/4"
		Long String
	20151	Size: 5-1/2 " Cemented with 290 SX
•	13/8	TOC: Surface feet determined by calc
•		
	:\right\cdot	Hole Size: 6-1/4"
	4560'	Total Depth: 4943'
	\ 51/2"	Injection Interval
	1 4943 TD	feet tofeet (perforated or open-hole, indicate which)
Tubing size _2	1 lined with	
		TPC set in a (material) packer at 4510 feet.
(brand & mod		• •
•	other casing-tubing	g seal).
Other Data  1. Name of the	injection formation	San Andres
		cable) Lovington San Andres
3. Is this a ne	ew well drilled for	N.
4. Has the well	L ever be perforated	in any other zone(s)? List all such perforated ail (sacks of cement or bridge plug(s)
5. Give the dep		ny overlying and/or underlying oil or gas zones
· Unde	erlying-Gravburg	

Greenhill Pet OPERATOR	roleum Corporation	Lovington San Andres Unit
#27	660 FEL & 660 FS	
WELL NO.	FOOTAGE LOCATION	
	· ·	Tubular Data
	<u>St</u>	urface Casing
	\	Lzo: 7 5/8 ". Comented with 600 sx
	TO	OC: Surface feet determined by calc
	. · · · · · · · · · · · · · · · · · · ·	ole size: 9 1/4"
		ntermediate Casing
Completed	s	ize: Cemented withS
	2035'T	OC: feet determined by
		ole Size:
•	L	ong String
	s	ize: 5 1/2 " Cemented with 300 s
•	T	OC: 273 feet determined by 80% cal
•		ole Size: 6 1/2"
	L 5000' ,	otal Depth: 5000'
	10	niection Interval
		• • • • • • • • • • • • • • • • • • • •
	7	perforated or open-hole, indicate which)
Tubing size	lined with	(material) set in a
	pac	ker atfeet.
(brand & model) (or describe any o	) ther casing-tubing s	eal).
Other Data	. •	
	ection formation	•
		,
,		Lovington San Andres
	well drilled for ing t purpose was the we	Jection? No Production Production
intervals and used.	givo plugging detail	n any other zone(s)? List all such perforated l (sacks of cement or bridge plug(s)
	to and name of any	overlying and/or underlying oil or gas zones
Chooral wir cur		

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

#### Tubular Data

Completed Surface Casing 12-29-52 Size: 13-3/8" Cemented with 240 SX P&A 6-6-69 TOC: Surface feet determined by calc 133/8 Hole size: 18" 240' Intermediate Casing Size: 8-5/8" Cemented with 1300 SX 85/8" TOC: Surface feet determined by calc 3291' Hole size: 11" Long String Size: 5-1/2" Cemented with 900 SX TOC: 3568 feet determined by 80% calc 5 //z" 7-7/8" Hole size: TO 8471 Total Depth: 8471' 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>
- 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	roleum 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

### Surface Casing

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

TOC: Surface feet determined by calc

131/8" Hole size: 1714 326'

Intermediate Casing

Size: 8-5/8" Cemented with 2000 SX

TOC: Surface feet determined by -cale circ

Hole size: 11-1/4"

\_85/8" 3329'

Long String

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

TOC: 3883 feet determined by 80% calc

5/2" Hole size: 7-7/8"

6062' Total Depth: 6250'

TD 6250' Injection Interval

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).

#### 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.

Penroc · OPERATOR	State AE LEASE
1	
WELL NO.	FOOTAGE LOCATION SEC. TOWNSHIP RANGE
•	Tubular Data
ompleted	Surface Casing
11-1-52	Sizo: 13-3/8 ". Comented with 350 SX
	TOC: Surface feet determined by calc
·	13 <sup>3</sup> /8 Hole size: 17-1/4"
	Intermediate Casing
	Size: 8-5/8 " Cemented with 1900 SX
	TOC: Surface feet determined by calc
	llole Size: 11"
	3350 Long String
	Size: 5-1/2 " Cemented with 400 SX
·	TOC: 6251 feet determined by 80%
	Nole Size: 7-7/8"
	51/2"
	708430 Iveal Dopon.
	Injection Interval
	(perforated or open-hole, indicate which)
Tubing size	lined with set in a
	(material)  packer atfeet,
(brand & mode) (or describe any o	ther casing-tubing seal).
Othor Data	
1. Name of the in	njection formation
	or Pool (If applicable) Lovington Abo
3 Tethlennew	well drilled for injection? No at purpose was the well originally drilled? Production
4. lias the well	ever be perforated in any other zone(s)? List all such perforated give plugging detail (sacks of coment or bridge plug(s)
5. Give the dept (pools) in th	h to and name of any overlying and/or underlying oil or gas zones is area.

OPERATOR	<u> troleum torporatio</u>	n Lovington San Andres Unit LEASE
#26	660 FSL & 1980	FWL 36 T16S R36E
WELL NO.	FOOTNGE LOCK	
	•	
•		Tubular Data
	<b>{ { ! !</b>	Surface Casing
		Size: 13 ". Comented with 200 s
	<u> </u>	TOC: Surface feet determined by circ
		Nola siza: 15"
	13"	Intermediate Casing
	1	Size: 8 5/8 " Cemented with 400 S
Completed 12/3/39		TOC: 390 feet determined by 70% cal
		Hole Size: 9 7/8" ·
	85/2"	Long String
	- L 30/0'	Size: 5 1/2 " Cemented with 200 S
•		TOC: 3200' est. feet determined by cate
•		llole Size: 6 3/4"
	5½" - 4520'	
	}.	Total Depth: 5128'
	L 70 5128'	Injection Interval
•		feet to feet (perforated or open-hole, indicate which)
lubing size	lined with	(material) set in
(brand & mode)	1)	packer atfoot.
	other casing-tubin	ng seal).
thor Data	•	;
. Name of the in	; njection formation	San Andres
. Name of Field	or Pool (If appli	Louble) Lovington San Andres
	well drilled for at purpose was the	injection? No Production Production
		i in any other zone(s)? List all such perforated tail (sacks of cement or bridge plug(s)

· Underlying - Grayburg

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

.85/8° 2048' Size:

Cemented with

SX

TOC:

feet determined by

Hole size:

Long String

Size: 5-1/2" Cemented with 275 SX

TOC: 4700 feet determined by temp

survey

Hole size:

5/2" 6055'

TO 6260'

Total Depth: 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.

Nо

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	16S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

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

Completed	<b>.</b>	Surface Casing
6-30-52		Size: 13-3/8" Cemented with 245 SX
	100104	TOC: Surface feet determined by calc
	133/8"	Hole size: 18"
		Intermediate Casing
		Size: 8-5/8" Cemented with 800 SX
		TOC: 900 feet determined by 50% calc
	80/8"	Hole size: 12-1/4"
	3350'	Long String
		Size: 5-1/2" Cemented with 800 SX
		TOC: 4093 feet determined by 80% calc
		Hole size: 7-7/8"
	15%" TO 8450'	Total Depth: 8450'
	10 8750	•
		<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?  $\underline{\text{No}}$  If no, for what purpose was the well originally drilled?  $\underline{\text{Production}}$
- 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	Greenhill Petroleum Corporation		(
OPERATOR		LEASE	
#40	1980' FEL & 810' FSI	36 169	5 ' 36E
WELL NO.	FOOTAGE LOCATION	SEC. TOWNSH	HIP RANGE

## Tubular Data

Completed 10-07-53

### Surface Casing

8-5/8" Cemented with 850 SX Size:

TOC: Surface feet determined by calc

Hole size: 11"

#### Intermediate Casing

85/8" 2043'

Size:

Cemented with

SX

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: 7

ל'ג" 60091

TO 6252'

Total Depth: 6252'

## Injection Interval

6009 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

Name of the injection formation:

Paddock

2. Name of Field or Pool (If applicable)

- 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.

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

#### Tubular Data

Completed Surface Casing 4-23-52 Size: 13-3/8" Cemented with 265 circ TOC: Surface feet determined by cale 133/8 Hole size: 18" Intermediate Casing Size: 8-5/8" Cemented with 800 SX 85/8" Surfore *3343*′ TOC: 798 feet determined by 50% calc Hole size: 11" Long String Size: 5-1/2" Cemented with 800 SX 4077 feet determined by 80% calc TOC: 51/2" TO 8435' Hole size: 7-7/8" Total Depth: 8435' <u>Injection Interval</u> 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 g	gas
	zones (pools) in this area.	
	(Above) Drinkard	

Greenhill Petroleum Corporation		Lovington	Paddock	
OPERATOR		LEASE		
#39	810' FSL & 660' FEL	36	16\$	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

## Tubular Data

## Surface Casing 8-5/8" Cemented with 900 SX Size: TOC: Surface feet determined by calc Circ Hole size: // Intermediate Casing 85/8 Cemented with SX Size: 2040' TOC: feet determined by Hole size: Long String Size: 5-1/2" Cemented with 275 SX TOC: 4632 feet determined by temp survey Hole size: Total Depth: 6229' TO 6229' 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

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

TOC: Surface feet determined by circ  Hole size: 17-174" /5  Intermediate Casing  Size: 8-5/8 " Cemented with 500 SX  TOC: 1458 feet determined by calc  2990'  85/g" Hole Size: 12-174" 7 3/2  Long String	Greenhill Pe	etroleum Corporation	Lovington San Andres
Tubular Data  Completed 9-8-39  Size: 13 " Cemented with _250	OPERATOR		LEASE
Completed 9-8-39  Size: 13	#24		
Surface Casing  Size: 13	WELL NO.	FOOTAGE LOCATION	SEC. TOWNSHIP RANGE
Size: 13 "Cemented with 250 SX  TOC: Surface feet determined by circ  Hole size: 17-1/4" /5  Intermediate Casing  Size: 8-5/8 "Cemented with 500 SX  TOC: 1458 feet determined by calc  15/5" Hole Size: 12-1/4" 7 7  Long String  Size: 5-1/2 "Cemented with 250 SX  Size: 5-1/2 "Cemented with 250 SX  TOC: 3145 feet determined by calc  Hole Size: 7-7/8" feet determined by calc  Hole Size: 7-7/8" feet determined by calc  Hole Size: 7-7/8" feet determined by calc  Hole Size: 10-1/2 "Cemented with 250 SX  TOC: 3145 feet determined by calc  Hole Size: 7-7/8" feet determined by calc  Hole Size: 7-7/8" feet determined by calc  Injection Interval  (perforated or open-hole, indicate which)  (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			Tubular Data
Size: 13		<u>Su</u>	cface Casing
Hole size: 17-174" /5  Intermediate Casing  Size: 8-5/8 " Comented with 500 SX  TOC: 1458 feet determined by calc  15/5/9" Hole Size: 12-174" /5  Long String  Size: 5-1/2 " Cemented with 250 SX  Hole Size: 1-7/8" / John  Toc: 3145 feet determined by calc  Hole Size: 1-7/8" / John  Total Depth: 5075'  Injection Interval  feet to feet  (perforated or open-hole, indicate which)  Tubing size 1 lined with (material) feet.  (brand & model) (or describe any other casing-tubing seal).  Other Data  Name of the injection formation  No If no, for what purpose was the well originally drilled? Production  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)  Solve the depth to and name of any overlying and/or underlying oil or gas zones	9-8-39	Si	ce: 13 " Cemented with 250 SX
L 3/2   13"   Intermediate Casing   Size: 8-5/8 " Cemented with 500   SX   TOC: 1458   feet determined by calc   12-174"   13   1458   feet determined by calc   12-174"   13   1458   feet determined by calc   Long String   Size: 5-1/2 " Cemented with 250   SX   Si/3"   TOC: 3145   feet determined by calc   Ilole Size: 1-7/8"   145   feet determined by calc   Ilole Size: 1-7/8"   145   feet   feet		ТО	C: Surface feet determined by circ
Intermediate Casing  Size: 8-5/8 " Camented with 500 SX  TOC: 1458 feet determined by calc  2440		llo 3221	le size: 17-1/4" /5
Tubing size		1 1 1 4	termediate Casing
Long String  Size: 5-1/2 " Cemented with 250 SN  Size: 5-1/2 " Cemented with 250 SN  Hole Size: -7-7/8"  TOC: 3145 feet determined by calc.  Hole Size: -7-7/8"  Total Depth: 5075'  Injection Interval  feet to feet  (perforated or open-hole, indicate which)  Tubing size lined with make at make		Si	ze: 8-5/8 " Cemented with 500 SX
Role Size: 12-174   1/2   Long String   Size: 5-1/2   Cemented with 250   Size: 15-1/2		l 1	<del></del>
Size: 5-1/2 " Cemented with		\$ 5/8" Ho	le Size: 12-174" 7 1/2
Hole Size:		Lo	ng String
Hole Size:		Si	ze: 5-1/2 " Cemented with 250 SX
Total Depth:	•	(5パン" TO	C: 3145 feet determined by <u>calc</u>
Injection Interval	·	\ Ilo	le Size:
feet to feet to feet to feet (perforated or open-hole, indicate which)  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		1 5073. TD To	tal Depth: 5075'
Tubing size		<u> In</u>	jection Interval
Tubing size		· ·	
packer at	m 1.1		
(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	lubing size		(material)
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 & mode		er atfeet.
<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. NO</li> <li>Give the depth to and name of any overlying and/or underlying oil or gas zones</li> </ol>			al).
<ol> <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. NO</li> <li>Give the depth to and name of any overlying and/or underlying oil or gas zones</li> </ol>	Other Data		
<ol> <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>	1. Name of the i	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  5. Give the depth to and name of any overlying and/or underlying oil or gas zones	2. Name of Field	l or Pool (If applicabl	e) Lovington San Andres
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	3. Is this a new If no, for wh	v well drilled for inje	ction? No 1 originally drilled? Production
5. Give the depth to and name of any overlying and/or underlying oil or gas zones	intervals and	d give plugging detail	(sacks of cement or bridge plug(s)
	5. Give the dept		

Underlying-Grayburg

Texaco '	. Skelly "Q" State
· OPERATOR	LEASE
3	330' FSL & 330' FEL 36 16S 36E
WELL NO.	FOOTAGE LOCATION SEC. TOWNSHIP RANGE
	• ,
•	Tubular Data
,	Surface Casing
	Sizo: 13 Comented with 275 SX
•	TOC: Surface feet determined by calc
	liole size: 18"
	252'
·	Intermediate Casing
	Size: 8-5/8 " Cemented with 1750 SX
	TOC: Surface feet determined by calc-
	llole Size: 12-1/4"
·	Long String
	) 1721
	Size: 5-1/2 " Cemented with 739 SX
•	TOC: 4037 feet determined by Haliburto
•	liole Size: 7-7/8"
	CY2
	TD8442 Total Depth: 8442'
•	Injection Interval
	feet to feet
•	(perforated or open-hole, indicate which)
Tubing size	lined withset in a
<del>-</del>	(material) packer at feet.
(brand & model) (or describe any other	
•	easing-cubing seal).
Other Data	
1. Name of the inject	ion formation
2. Name of Field or Pe	ool (If applicable) Lovington Abo
. 1	No.
	drilled for injection?Production rpose was the well originally drilled?Production
	be perforated in any other zone(s)? List all such perforated plugging detail (sacks of coment or bridge plug(s)
used.	hraffrug agents (sacks or comenc or priege bing(s)
5. Give the depth to	and name of any overlying and/or underlying oil or gas zones
(pools) in this ar	ea.
Above Drinka	rd

	Greenhill Pet	Lovington Paddock				
-	OPERATOR	•	LEASE			
	. #38	810' FSL & 665' FWL	31	165	37E	
_	· WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE	

## Tubular Data

Completed 6-28-53

Converted to Injection 1-71 Surface Casing

Size: 9-5/8" Cemented with 900 SX

CIrc

TOC: Surface feet determined by calc-

Hole size: 12-1/4"

Intermediate Casing

95/8" 2090' Size:

Cemented with

SX

TOC:

feet determined by

Hole size:

Long String

Size: 5-1/2" Cemented with 500 SX 3527 (casing set desper Than on original calc.)

TOC: 3316 feet determined by 80% calc

Hole size: 7-7/8"

Total Depth: 6252'

TO 6252

Injection Interval

6220 feet to (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

Name of the injection formation:

Paddock

Name of Field or Pool (If applicable) 2. <u>Paddock</u>

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

llas 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.

Texaco	Texaco			State "O" Battery 2			
OPERATO	R		LEASE				
9	660' FSL & 8	15' FWL	31	168	37E		
WELL NO	. FOOTAGE LOC	ATION	SEC.	TOWNSHIP	RANGE		

## Tubular Data

Completed 12-8-51

Surface Casing 300 Size: 13-3/8" Cemented with 650 SX TOC: Surface feet determined by calc 133/2 Hole size: 18" Intermediate Casing 4500 SX Size: 9-5/8" Cemented with TOC: Surface feet determined by calc 95/8" 5135 Hole size: 12-1/4" Long String Size: 5-1/2" Cemented with 650 SX 4959 feet determined by 80% calc 7-7/8" Hole size: 70 8500' 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.

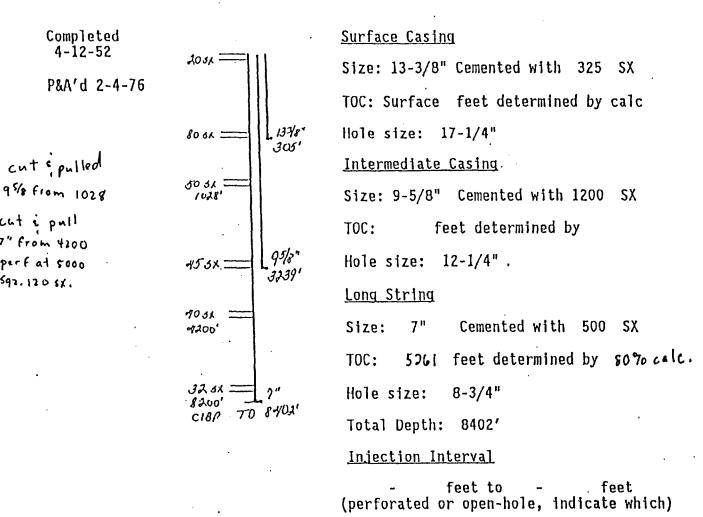
(Above) Drinkard

<del></del>	Greenhill Pet OPERATOR	roleum Corporatio	on '	Loving LEASE	ton San Andr	<u>res Unit</u>	
	#23 WELL NO.	660 FSL & 900 FOOTAGE LOCA		SEC.	T16S TOWNSHIP	R37E RANGE	
•			CE.		bular Data		
	npleted 2/39	13" 277' 95/8" 3013'	TOC:  Intermed Size:  TOC:  Hole Si: Long St: Size:	13 " Surface  2e:  11ate Cas  9 5/8 "  1773  2e:  7 "  2735	feet de	with	SX 50% calc
Tu	bing size	lined with	Total D	epth:	5081'  zal  feet to  ppen-hole, i	ndicate whic	feet h) set in a
	(brand & model)		packer at			feet.	•
(or		her casing-tubing	g seal).		•		
<u>Oth</u>	er Data		,				
1.	_	ection formation		١	•	·	
2.	Name of Field o	r Pool (If applie	cable) _	Lovin	gton San And	lres .	
3.		vell drilled for : purpose was the			lrilled?	Production	
4.		er be perforated vive plugging deta					forated
5.	Give the depth (pools) in this	to and name of a	ny overly	ing and/o	or underlyin	g oil or gas	zones
•		lying - Grayburg			·		

Greenhill Petr	coleum Corporation	Lovington San Andres Unit LEASE
#22 WELL NO.	330 FSL & 1650 FOOTAGE LOCATI	FWL 31 T16S R73E CON SEC. TOWNSHIP RANGE
		Tubular Data
	111 5	Surface Casing
		Size: 13 " Comented with 200 SX
•	- 111	roc: Surface feet determined by calc
•	.   13,	liole size: 15 ½
	277	Intermediate Casing
		•
Completed 11/19/55	<b>  }</b>	
Deepened to 4917	30021	TOC: 1369 feet determined by 50% calc
6/8/66		Hole Size: 1174
Deepened to 5086	Luenci	Long String
2/4/86	}	Size: 7 " Cemented with 200 SX
•	TD 4760'	TOC: 3161 feet determined by 80% calc
٠.	7 111	Nole Size: 83/4
	10 5086	Total Depth: 5086
• •	2-4-86	Injection Interval
		feet to feet
		(perforated or open-hole, indicate which)
Tubing size	lined with	(material) set in a
		icker atfeet.
(brand & model) (or describe any of		seal).
Other Data		
1. Name of the inj	ection formation	San Andres
•		able) <u>Lovington San Andres</u>
3. Is this a new was If no, for what	rell drilled for in purpose was the v	njection? No voll originally drilled? Production
4. Has the well ex	ver be perforated in the plugging details	in any other zone(s)? List all such perforated il (sacks of cement or bridge plug(s)
	to and name of any	y overlying and/or underlying oil or gas zones
·	erlying - Grayburg	

	Arco	State 182 "A"					
_	OPERATOR		LEASE				
	3	1959.54' FWL & 660' FSL	31	165	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.
- 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			•
#37	330' FSL & 2290' FWL	31	168	37E	
 WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE	•

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

Spud Date 8-6-53

#### Surface Casing

Size: 13-3/8" Cemented with 350 SX TOC: Surface feet determined by 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: 77/8

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).

85/8"

3279'

6054'

TD 6250

#### 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
- 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		State "O	1	·
OPERATOR		LEASE	`	
11	330' FSL & 2310' FEL	31	165	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

#### Tubular Data

### Surface Casing Size: 13-3/8" Cemented with 240 SX TOC: Surface feet determined by calc 133/0" Hole size: 18" 270' Intermediate Casing Size: 8-5/8" Cemented with 800 SX TOC: 899 feet determined by 50% calc 85/3" 3350' Hole size: 12-1/4" Long String 5-1/2" Cemented with 850 SX Size: TOC: 3809 feet determined by 80% calc 7-7/8" Hole size: TO 8440' Total Depth: 8440'

<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? <u>No</u>
  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) Drinkard

		Petroleum Corporation	<u> </u>		ton San Andı	res Unit	
,	OPERATOR			LEASE			
	#21	2310 FEL & 660		· 31	T16S	R31E	
	WELL NO.	FOOTAGE LOCAT	CION	SEC.	TOWNSHIP	RANGE	
<b>.</b>							
	•			· Tu	bular Data		
			Surface	Casing	•		
!			Size:	13~	. Comonted	with	200 <del>175</del> SX circ.
			TOC;	Surface	feet d	etermined	by <u>-eale</u>
		1 L302	Hole siz	o:	<u> </u>	<del></del> .	
			Intermed	late Cas	uing .		•
Comple	eted				Cemented	with	500 400 SX
9/20/		30101	TOC:	1784	feet	letermined	by 50% calc
					54 <del>9 7/8</del>		
			Long Str	ing			•
					" Cemented	with	2,00. 150 sx
	,	}- 4570' }:	TOC:	<del>-1626</del> 6	42 feet	ietermined	1 by <u>80% calc</u>
	÷	5632.	Hole Si	ze:	6 1/4	************	,
			Total De	epth:	50321		
·	•		Injection	on Inter	yal	•	
			(perfor	ated or	feet to open-hole,		which)
Tubi	ng sizo	lined with	· · · · · · · · · · · · · · · · · · ·				set in a
	<u></u> -		angkar at		orial)	· Fo	et.
	brand & mo	del) ny other casing-tubing	•.			40	o.,
Other	Data	• • •			•	•	
		injection formation		,			: 
2. N	ame of Fie	ald or Pool (If applic	cable) _		Lovington S	an Andres	
		new well drilled for the what purpose was the				Pr	oduction
ĭ		ll ever be perforated and give plugging deta No					
		opth to and name of a this area.	ny overly	ing and	or underlyi	ing oil or	gas zones
	•		hung	•			
-		<u> Underlying - Gray</u>	pur <u>u</u>			·····	

Greenhill Pet	roleum Corporation	Lovington	Paddock	
OPERATOR		1 LEASE		
#36	660' FSL & 2160' FEL	31	168	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSILLP	RANGE

#### Tubular Data

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

5. 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		
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

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"

151/2" TO 8440'

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

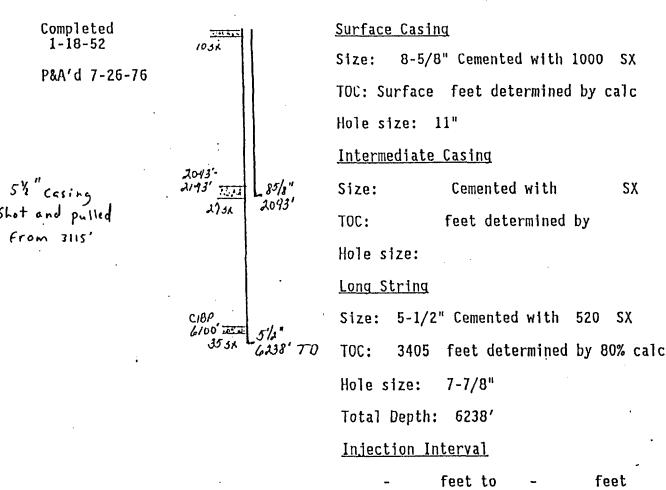
Greenhill Petr	roleum Corporation	Lovington San Andres Unit
#20 WELL NO.	660 FSL & 660 FE FOOTAGE LOCATIO	
		Tubular Data
	Su	rface Casing
		zo: 13 "Comented with 20 sx
		C: Surface feet determined by calc
	li d	le size: 15
	13'	itermediate Casing
Completed	1 20'	ze: 8 5/8 " Cemented with 475 S)
1/6/45		
	[ 8 5/8 " ·	C: 784 feet determined by 50% cal
	2099' He	ole Size: <u>41 10 ½</u>
	L	ong String
		Lze: 5 1/2 " Cemented with 200 S.
•	5½" To	C: -654 1340 feet determined by 80% ca
•	11	ole Size:
	~4145 x	otal Depth: 4945'
	· .	njection Interval
	<del>.</del>	feet to feet perforated or open-hole, indicate which)
Tuldam almo	lined with	
rootus area		(material)
(brand & model)	pac pac	ker atfeet.
(or describe any ot	her casing-tubing s	eal).
ther Data		
L. Name of the inj	ection formation	San Andres
2. Name of Field o	r Pool (If applicab	1e) <u>Loyington San Andres</u>
•		
		ection? No 11 originally drilled? Production
4. Has the well evintervals and gused.	ive plugging detail	any other zone(s)? List all such perforated (sacks of cement or bridge plug(s)
	,	
5. Give the depth (pools) in this	area.	overlying and/or underlying oil or gas zones
· U	iderlying - Grayburg	

OPERATOR	Lease Lease
#35	39' FNL & 1890' FWL 6 17S 37E
WELL NO.	FOOTAGE LOCATION SEC. TOWNSHIP RANGE
	Tubular Data
Completed	Surface Casing
5-4-39	Size: 13
	TOC: Surface feet determined by circ
D L Acus	323' Hole size: 17-1/4"
Deepen to 5040	Intermediate Casing
	Size: 9-5/8" " Cemented with 400 SX
·	TOC: 1644 feet determined by calc
	_2950' Hole Size: 12"
	95/g" Long String
	Size: 7 " Cemented with 300 SX
	TOC: 1789 feet determined by calc
,	457D' Hole Size: 8-3/4"
	7" Total Depth: 4942'
	4942' Injection Interval
	TD 4570 - feet to 5040 feet (perforated or open-hole, indicate which)
Tubing size 27	7 - lined with set in a
	material) packer at 4520 feet.
(brand & mode	<b>)</b>
(or describe any	other casing-tubing seal).
Other Data	
1. Name of the i	ijection formation — SanAndres
2. Name of Field	or Pool (If applicable) Lovington San Andres
3. Is this a new If no, for wh	well drilled for injection? No at 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)
5. Give the dept (pools) in th	h to and name of any overlying and/or underlying oil or gas zones is area.
	lving_Gravbung

Greenhill Pe	troleum Corporation Lovington San Andres Unit LEASE	
#19 WELL NO.	1980 FNL & 2310 FEL 32 T16S R37E FOOTAGE LOCATION SEC. TOWNSHIP RANGE	
·	±	
	Tubular Data	
		•
	Surface Casing	
	Size: 13 3/8 ". Comented with 200	sx
	TOC: Surface feet determined by ca	lc
	Hole size:	
	Intermediate Casing	r
	2//3' Size: 8 5/8 " Cemented with 300	sx
Completed	TOC: 1193 feet determined by 50%	calc
1/5/46	Hole Size: 11	
	51/2" Long String	
	46/7' Size: 5 1/2 " Cemented with 300	sx
•	TOC: 2982 feet determined by 80%	calc
•	101. 2502 2000 25 101. 101. 101. 101. 101. 101. 101. 101	
	Total Depth: 4946	
	Injection Interval	
		oot
	(perforated or open-hole, indicate which)	
Tubing size	lined withset	in a
	(material) packer atfeet,	٠
(brand & mode)	1) other casing-tubing seal).	
Other Data		
	-lacklan farmation Can Andrea	
	njection formation San Andres	
2. Name of Field	l or Pool (If applicable) Lovington San Andres	<del></del>
	well drilled for injection? No nat purpose was the well originally drilled? Production	·
intervals and used.	ever be perforated in any other zone(s)? List all such perfora decident give plugging detail (sacks of cement or bridge plug(s)	ted
	No	
	th to and name of any overlying and/or underlying oil or gas zon ils area.	ខេន
•	Underlying - Grayburg	

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

#### Tubular Data



(perforated or open-hole, indicate which)

Tubing size lined with - set in a

(Or describe any other casing-tubing seal).

#### Other Data

- Name of the injection formation:
- 2. Name of Field or Pool (If applicable) Lovington 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.

(Above) Glorieta

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

Texaco '	State "V"
· OPERATOR	LEASE
_	
WELL NO.	660' FWL & 660' FNL 5 17S 37E
WELL NO.	FOOTAGE LOCATION SEC. TOWNSHIP RANGE
•	•
	Tubular Data
Completed	
6-20-52	Surface Casing
	Size: 13-3/8 ". Comented with 350. SX
	Size: 13-3/8 %. Comented with 350. SX
	TOC: Surface feet determined by calc
•	
	. Hole size: 17-1/4"
5½" liner	
4803-11063	13% Intermediate Casing
TOC 7010 F:	10 1 320 3167
,	Size: 8-5/8 " Cemented with 3000 SX
6-20-55	Confine
	TOC: Surface feet determined by calc
sqz liner f	Hole Size: 11"
6648-6650 W	180 SY
TOC 5740	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	L-85/8
	4984 Size: 5-1/2 " Cemented with
• •	liner behind intermediate
•	TOC: feet determined by
	Hole Size: 7-7/8"
	L 5 " Total Depth: 11,063'
• •	7011063
	Injection Interval
	feet to feet
•	(perforated or open-hole, indicate which)
Tubing size	lined with set in a
AUDING SIZO	(material)
· · · · · · · · · · · · · · · · · · ·	packer atfeet.
(brand & mode)	
(or describe any	other casing-tubing seal).
Other Data	
4	
1. Name of the in	njection formation
0 11 5 74-14	er Paci (If applicable) East Lovington (Penn)
2. Name of Field	of toor (if applicable)
n ' Tu blifu u mare	No
3. Is this a new	well drilled for injection? Production
ir no, for wh	at purpose was the well originally drilled? Production
4 Han the well	ever be perforated in any other zone(s)? List all such perforated
	give plugging detail (sacks of coment or bridge plug(s)
used.	Para traderid gorary (sacks or compute or pringle hingle)
Macal	
5. Give the dept	h to and name of any overlying and/or underlying oil or gas zones
(pools) in th	
	Above Abo

Inc.  330' FNL & 330'  FOOTAGE LOCATION	FWL	pp Stat LEASE 5 SEC.	e "A"  17S  TOWNSHIP	37E	
	ON	5.		37E	
	ON			37E	
FOOTAGE LOCATION		SEC.	TOWNSHIP		
				RANGE	
	<u>Tu</u>	ıbular [	<u>)ata</u>		
· ·	Surface Casin	<u>1<b>g</b></u>			
	Size: 10-3/	'4" Ceme	ented with	175 SX	
103/4"	TOC: Surface	feet	determined	by <del>calc</del>	
. J/o'	Hole size: 13-3/4"				
	<u>Intermediate Casing</u>				
1500' <del></del> 153x	Size:		ted with	SX	
·	TOC:	fe	et determi	ned by	
	Hole size:				
1660'= 5/2"	Long String				
170	Size: 5-1/2"	Cemen	ted with	400 SX <sub>.</sub>	
4934'	TOC: 2485	feet d	etermined	by 80% calc	
	Hole size:	7-7/8"			
	Total Depth:	4934′	•	•	
	Injection In	<u>terval</u>			
·				feet icate which)	
lined with -	set in a	-		packer	
	1500'	Surface Casin Size: 10-3/ ToC: Surface Hole size: Intermediate Size: ToC: Hole size: Long String Size: 5-1/2" TOC: 2485 Hole size: Total Depth: Injection In  (perforated of	Surface Casing  Size: 10-3/4" Cemeratory  Toc: Surface feet of Hole size: 13-3/4"  Intermediate Casing  Size: Cemenatory  Toc: feet of Hole size:  Long String  Size: 5-1/2" Cemenatory  Toc: 2485 feet of Hole size: 7-7/8"  Total Depth: 4934'  Injection Interval  feet toc  (perforated or open-	Size: 10-3/4" Cemented with  TOC: Surface feet determined  Hole size: 13-3/4"  Intermediate Casing  Size: Cemented with  TOC: feet determined  Hole size:  Long String  Size: 5-1/2" Cemented with  TOC: 2485 feet determined  Hole size: 7-7/8"  Total Depth: 4934'  Injection Interval  feet to  (perforated or open-hole, indices	

#### Other Data

at

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

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

#### Tubular Data

Spud Date 10-52

# Size: 13-3/8" Cemented with 250 SX

Surface Casing

TOC: Surface feet determined by calc

ioc. Surface feet determi

. 13<sup>3</sup>/8" . 258'

Hole size:

Intermediate Casing

Size: 8-5/8" Cemented with 2100 SX

TOC: 808 feet determined by temp survey

Hole size:

85/8' 50/0' Long String

ροτο Size: 5-1/2" Cemented with 230 SX 6231'

TOC: 4116 feet determined by temp survey

Hole size:

Total Depth: 14,153'

36+ 15 plugs -T014,153

Injection Interval

6144 feet to 6194 feet (perforated or open-hole, indicate which)

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

packer

at 6094 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.

Above Glorieta

Greenhill Pet OPERATOR	roleum Corporation ~	Lovington San And	res Unit
#36 WELL NO.	660 FNL & 2040 FEL FOOTAGE LOCATION	6 T17S SEC. TOWNSHIP	R37E RANGE
		Tubular Data	
,	Surfac	e Casing	
	Size:_	13 · ". Comented	with 200 sx
	TOC:	Surface foot d	etermined by circulation
•		ize: 14 3/4"	-
	13" Intern	ediate Casing	
Completed	Size:	8 5/8 " Cemented	with <u>400</u> SX
9/12/39	1 1 1	1774 feet d	letermined by 50% calc
Pkr. #1 3/22/63	8 %, " 3000' Hole	Size: 10 1/4	
Pkr. # 2	1 1 '	String	
1/25/79	Size:	5 1/2 " Cemented	with <u>125</u> SX
. Pro	.*2 TOC:	3127 feet	determined by 80% calc.
PK		Size: 6 3/4"	•
•	Total	Depth: 4955'	
	TID 4422,	tion Interval	•
		4540 feet to orated or open-hole,	
Pkr. #1 Tubing size2	3/8 lined with	IPC	sot in a
Baker "A" Per		(material) at 44663	feet,
(brand & model)			
Other Data			
	ection formation	San Andres	
·	or Pool (If applicable)	•	Andres
3. Is this a new t	well drilled for injecti t purpose was the well o	.on? <u>No</u>	Production
	ver be perforated in any give plugging detail (se		
5. Give the depth (pools) in this	to and name of any over	lying and/or underlyi	ng oil or gas zones
.: Unde	rlving - Gravburg		

	eum Corporation Lovington Paddock	
OPERATOR	LEASE	
	510' FNL & 2190' FEL 6 17S 37E	
WELL NO.	FOOTAGE LOCATION SEC. TOWNSHIP RANGE	
•	Tubular Data	
Date	Surface Casing	
1-53		
	Size: 8 5/8 " Cemented withs	: <b>Ж</b>
	Toc: Surface feet determined bycalc	
	Hole size:	
	Intermediate Casing	•
	Size: Cemented with	SX
	TOC: feet determined by	
	85/8.11	
	3/28/ Hole Size:	
	Long String	
	Size: 5 1/2 " Cemented with 400	SX
	TOC: 4220 feet determined by temp	su
	51/2"	
-		
	TD 6250' Total Depth: 6250'	
	Injection Interval	
	6090 feet to 6250 feet	•
•	(perforated or open-hole, indicate which)	•
ing size2	2 3/8 lined with IPC set in	a
ker AD- 1 PC	(material) packer at 6000 feet.	
(brand & mod		
·	other casing-cubing seary.	
r Data		
Name of the	injection formation Paddock	_
Name of Fiel	d or Pool (If applicable) Paddock	
Te this a no	ew well drilled for injection? No	
	that purpose was the well originally drilled? Production	
intervals an	l ever be perforated in any other zone(s)? List all such perforated ad give plugging detail (sacks of cement or bridge plug(s)	i
Give the dep (pools) in t	oth to and name of any overlying and/or underlying oil or gas zones this area.	
Above, G1	orieta	

	Texaco	<i>:</i>	C. S. Ca	aylor		
_	OPERATOR		LEASE			
	3 .	330' FNL & 2310' FEL	6	178	37E	
_	WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE	

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

Completed 6-17-52

#### Surface Casing

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

TOC: Surface feet determined by calc

,/3<sup>3</sup>/8" Hole size: 18" ,240'

#### 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

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

TOC: 3270 feet determined by temp

survey

Hole size: 7-7/8"

Total Depth: 8435'

\_\_\_\_\_5%" TO 8435"

#### 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

Penroc		C. S. Cay	ylor	
OPERATOR	1827 FUL	LEASE		
3	183つ Fシレ 660' FNL & <del>3393</del> ' <del>FEL</del>	6	178	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>/s" \_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'

512" TO 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 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

Greenhill P	etroleum Corporation	Lovington Paddock			
 OPERATOR	(1740 FWL)	LEASE			•
#51	3540' FEL & 480' FNL	6	178	37E	
 WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE	•

#### Tubular Data

Surface Casing Completion' 9-23-53 Size: 8-5/8" Cemented with 950 SX Converted to TOC: Surface feet determined by calc-Injection 12/66 Hole size: // Intermediate Casing Cemented with SX Size: feet determined by TOC: Hole size: Long String Size: 5-1/2" Cemented with 275 SX TOC: 4050 feet determined by 70% calc Hole size: 7 // Total Depth: 6245' Injection Interval

6080 feet to 6245 feet (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
- 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.

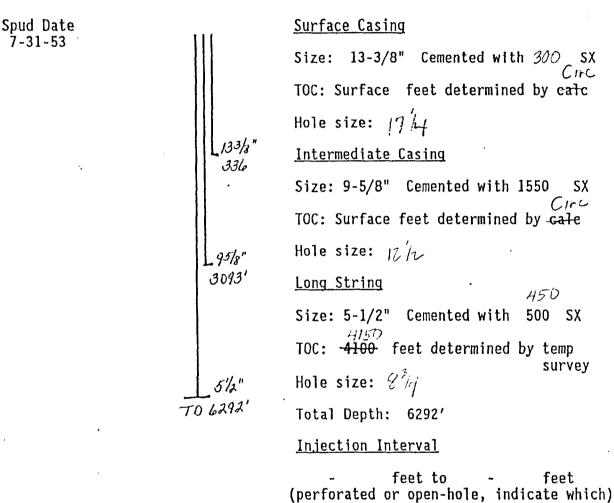
Νо

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

Above Glorieta

Greenhill	Petroleum Corporation	Lovington Paddock
 OPERATOR		LEASE
#50	660' FNL & 902' FWL	6 17S 37E
 WELL NO.	FOOTAGE LOCATION	SEC. TOWNSHIP RANGE

#### Tubular Data



lined with IPC set in a - packer

Tubing size - lined with IPC set in a - part - 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
- 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 OPERATOR	Petroleum Corpo	ration	Lovini LEASE	ton San Andre	es Unit	
	660 511					•
#34 WELL NO.		& 615 FWL LOCATION	SEC.	T17S TOWNSHIP	R37E RANGE	
HADE NOT	200211011	ACCOUNT TO THE		2011101122	ALLIVE	
		. •		·		
•	· .	•	<u>T</u> .	ibular Data	•	
	1.1.	Surfac	o Casing			
·		Siza:	13 • •	Cemented w	vi th	200 sx
		, -				by <u>circulati</u> o
,		lio1e e		17-14-15		
		-014	ediate Ca		•	
Completed		Size:_	9 5/8	" Cemented 1	with	500 sx
Completed 1/27/53		TOC: _	1956	feet de	stermined	by <u>50% calc</u>
Pkr. 7/10/63			ize:	12"		
Pkr. 6/14/72		3110' 95/9" Long S	String		•	•
	PKC.# 3	Size:_	7	" Cemented	with	200 sx
٠,		_		•	etermined	by 80% calc
	PKr,#1	Hole S	Size:	8.3/4"	<del></del>	
1	<u> </u>	52/'. 7" Total	Dopth:	4950	•	
		4956 Inject	tion Inter	val.	•	· · ·
•		TD	4521	feet to open-hole, i		
Packer #1		· (herr		open-note, 1	MULCACO; WI	i.
Tubing size	2" lined v	vith	IP(		<del></del>	_ set in a
Baker	"A" Pension	nacker :	(mat at	4498	foot	t.
(or describe an	y other casing-	tubing soal)	• Packer	#2 - 2 3/8"	plastic l	ined tbg.
Other Data	•	set II	i a.7 Gui	berson Packe	r e 4470 .	.*
1. Name of the	injection forms	ation	San A	ndres		
2. Name of Fig	old or Pool (IE	applicable)	L	ovington San	Andres	-
	new well drilled what purpose was				Produc	ction
4. Ilas the wel	ll eyer be perfor and give pluggin	rated in any	otherczor	ne(s)? <b>Li</b> st		perforated
used.	o	G andrew /au			· ***********	
	opth to and name this area.	of any over	lying and	or underlyin	ig oil or	gas zones
		· · · · · · · · · · · · · · · · · · ·		•		
11	IndonIvina - Grav	hung				•

Amerąda Hess	
OPERATOR	LEASE
8	560' FNL & 660' FEL 1 17S 36E
WELL NO.	FOOTAGE LOCATION SEC. TOWNSHIP RANGE
•	<u>Tubular Data</u>
pleted	
3-52	Surface Casing
	Size: 13-3/8 Comented with 225 SX
	TOC: Surface feet determined by calc
<i>,</i>	13 <sup>3</sup> / <sub>8</sub> Nole size: 17-1/2"
	250
·	Intermediate Casing
	Size: 8-5/8 " Cemented with 1000 SX
	TOC: 3063 feet determined by 507 cal
	.   _ 8 %   Nole Size: 11"
	Long String
	Size: 5-1/2 " Cemented with 600 SX
•	5\\2' TOC: 4975 feet determined by temp si
	8142' Hole Size: 7-7/8"
	Total Depth: 8430'
	8430
	Injection Interval
,	feet to feet
• •	(perforated or open-hole, indicate which)
Tubing size	lined with set in a (material)
	packer atfeet.
(brand & model) (or describe any other	casing-tubing goal)
	the state of the s
Other Data	
1. Name of the injecti	lon formation
2. Name of Field or Po	ool (If applicable) Lovington Abo
3. Is this a new well If no, for what pur	drilled for injection? No Production Production
intervals and give	perforated in any other zone(s)? List all such perforated plugging detail (sacks of cement or bridge plug(s)
used.	

Above Drinkard

<u></u>	Greenhill Petrole	um Corporatio	n Lovington San Andres Unit LEASE
-	#33 WELL NO.	660 FNL & 66 FOOTAGE LOCA	0 FEL 1 T17S R36E
<b></b>	•	111	Tubular Data  Surface Casing  Size: 13 ". Cemented with 200 SX
		13"	TOC: 94 feet determined by 70% calc  Nole size: 17 1/4"  Intermediate Casing
	npleted D/15/39	858" 31091	Size: 8 5/8 " Cemented with 250 SX  TOC: 2352 feet determined by 70% calc  Hole Size: 11"  Long String
•		5½" -4591'	Size: 5 1/2 " Cemented with 200 SX  TOC: 3702 feet determined by 70% calc  Nole Size: 7 7/8"  Total Depth: 4900'
		<u> TD</u> 49∞1	Injection Interval  feet to feet (perforated or open-hole, indicate which)
•	(brand & model)	·	(material) packer atfeet.
<u>Oth</u>	describe any other  er Data  Name of the inject	·	g seal).
2.		•	cable) Lovington San Andres
3.			injection? No Production Production
4,		_	in any other zone(s)? List all such perforated ail (sacks of cement or bridge plug(s)
<b>5.</b>	Give the depth to (pools) in this ar		ny overlying and/or underlying oil or gas zones
	Underlyi	ng-Grayburg	



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

#### Tubular Data

Surface Casing Completed 8-18-53 Size: 13-3/8" Cemented with 300 SX CIFC Converted to TOC: Surface feet determined by cate Injection 12/66 Hole size: 17-1/2" 1378 Intermediate Casing 297' Size: 8-5/8" Cemented with 1500 TOC: Surface feet determined by cale Hole size: 11" 85/8" Long String 3723' Size: 5-1/2" Cemented with 3019 feet determined by 80%-calc Hole size: 7-7/8" 6015 Total Depth: 6240' Injection Interval TD 6240'

6015 feet to 6140 feet (perforated or open-hole, indicate which)

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: 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.

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

Above Glorieta

No

TOC: Surface feet determined by end of the size: 11"  16/8  3148' Long String  Size: 5-1/2 " Comented with 600  TOC: 5597 feet determined by ten  1601e Size: 7-7/8"  170  18140 Injection Interval	sx
WELL NO. FOOTAGE LOCATION SEC. TOWNSHIP RANGE  Tubular Data  Surface Casing  Size: 13-3/8 " Comented with 225  TOC: Surface feet determined by cal  Hole size: 17-1/2"  Intermediate Casing  Size: 8-5/8 " Cemented with 1500  TOC: Surface feet determined by 7  Hole Size: 11"  1%  3144 Long String  Size: 5-1/2 " Cemented with 600  TOC: 5597 feet determined by tem  Hole Size: 7-7/8"  5%  Total Depth: 8440'  Injection Interval  To feet to 7-7	<del></del>
Surface Casing  Size: 13-3/8 " Comented with 225  TOC: Surface feet determined by cal  liole size: 17-1/2"  17%  215' Intermediate Casing  Size: 8-5/8 " Comented with 1500  TOC: Surface feet determined by ellole Size: 11"  100 Size: 11"  11%  3148' Long String  Size: 5-1/2 " Comented with 600  TOC: 5597 feet determined by tem  liole Size: 7-7/8"  4440 Injection Interval	<del></del>
Size: 13-3/8 ". Comented with 225  TOC: Surface feet determined by call liole size: 17-1/2"    13%   Intermediate Casing	<del></del>
TOC: Surface feet determined by cal liole size: 17-1/2"    13%   Intermediate Casing     Size: 8-5/8	<del></del>
liole size: 17-1/2"    137%   Intermediate Casing     Size: 8-5/8	le .
Intermediate Casing  Size: 8-5/8 " Cemented with 1500  TOC: Surface feet determined by end of the size: 11"  Long String  Size: 5-1/2 " Cemented with 600  TOC: 5597 feet determined by tem  Role Size: 7-7/8"  Sylva Total Depth: 8440'  Sylva Injection Interval  To feet to feet	
Intermediate Casing  Size: 8-5/8	
TOC: Surface feet determined by end library library long String  Size: 5-1/2 " Comented with 600  TOC: 5597 feet determined by ten library lib	•
Hole Size: 11"    15/8   Size: 5-1/2   Comented with 600     TOC: 5597   feet determined by ten     16/2   17/8       17/8	sx
Size: 5-1/2 " Cemented with 600  TOC: 5597	rs <del>ealc</del>
Size: 5-1/2 " Comented with 600  TOC: 5597 feet determined by ten  liole Size: 7-7/8"  54  9335 Total Depth: 8440'  Injection Interval  TO feet to feet	
TOC: 5597 feet determined by ten  Hole Size: 7-7/8"  9335 Total Depth: 8440'  8440 Injection Interval  TO feet to feet	
Hole Size: 7-7/8"  9335 Total Depth: 8440'  8440 Injection Interval  TD feet tof	xz
9335 Total Depth: 8440'  8440  TO  Injection Interval  TO  feet tof	up sur
9335 Total Depth: 8440' 8440 TD feet to f	
8440 <u>Injection Interval</u> TD feet to f	
τD feet to f	
	Eoot '
	•
Tubing size lined with set (material)	in a
packer atfeet.	
(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 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 be perforated in any other zone(s)? List all such perfor intervals and give plugging detail (sacks of cement or bridge plug(s) used.	nted
5. Give the depth to and name of any overlying and/or underlying oil or gas zo	nes
(pools) in this area.  Above Drinkard	

Greenhill OPERATOR	Petroleum Corporation Lovington San Andres Unit LEASE
#32 WELL NO.	660 FNL & 1980 FEL 1 T17S R36E FOOTAGE LOCATION SEC. TOWNSHIP RANGE
	Tubular Data
	Surface Casing
	Size: 10 3/4 " Comented with 180 SX
	TOC: Surface foot determined by circulation
	llole size: 13 <sup>7</sup> /y
	1 1 203' Intermediate Casing
•	10 <sup>3</sup> /4".  Size: 7 5/8 " Cemented with 265 SX
Completed 1/1/40	TOC: 2200' foot determined by 50% calc
•	Hole Size: 978
	75/g" Long String
	Size: 5 1/2 " Cemented with 200 SX
	4548' Toc: 2326 feet determined by 80% calc
•	Hole Size: 6 3/4"
	44284
,	
•	TD 4589 feet to 4900 feet
	(perforated or open-hole, indicate which)
Tubing size _	2 3/8" lined with IPC set in a
Baker "A	"Pension packer at 4548 feet.
(brand & m (or describe a	ny other casing-tubing seal).
Other Data	
1. Name of th	a injection formation <u>San Andres</u>
2. Namo of Fi	eld or Pool (If applicable) Lovington San Andres
3. Is this a	new well drilled for injection? No Production Production
intervals used.	all ever be perforated in any other zone(s)? List all such perforated and give plugging detail (sacks of coment or bridge plug(s)
	lepth to and name of any overlying and/or underlying oil or gas zones this area.
•	Underlying - Grayburg

reenn	III Petro	leum Corporation		Lovi	ngton Paddo	ck	
40	OPERATOR		•	LEASE			
48			& 2080' FEL:	· 1	175	. 36E	
	WELL NO.	FOOTAGE	LOCATION	SEC.	TOWNSHIP	RANGE	
	·		. •	· Ti	ıbular Data	•	
eepen	to 6260		Surface	Casing		•	•
•			Size: 13	3/8 · ′	. Comented	with 300.	sx
			TOC: S	urface :	feet c	letermined by	calc
		10.36	Nole si	ze:	17 1/2	<del></del>	
		130/31	Interme	diate Ca	sing		
	,	L85/8"   3037'	Size:	3 5/8	" Cemented	with 1500	SX
		3131	TOC:	602	feet	letermined by	y <u>temp su</u> rv
			Hole Si	.ze:	1.1	•	
			Long St	ring	,		
						with550	
•		5 ½" ·	TOC:	3712	feet	determined by	y <u>temp surve</u>
		\$ 6030	Hole Si	lze:	71/8	<del></del>	
		TD 6235'	Total I	Depth:	6235'	· · · · ·	
		•	المحمدات	lon Inter	val.	•	
			603			6260 indicate whi	feet
Tub	ing giza	2 3/8 lined					set in a
		- 1 PC	•	(ma)	terial)	feet.	•
	(brand &	model) any other casing-				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	·
	r Data	any conce cacang	· · · · · · · · · · · · · · · · · · ·	·		•	
		the injection form	ation	Pack	er .	•	
		Tield or Pool (If		, •	•		
		new well drilled	•	•	,		
3.	If no, fo	or what purpose we	is the well or	iginally	drilled?	Production	*
•		vell ever be performed and give plugging. No					erforated
		depth to and name	of any overl	ying and	or underly	ing oil or g	as zones
	Above Glo					·	
		<del></del>	<del></del>		<del> </del>		•

	•	State "E" TR 18
· OPERATOR	· · · · · · · · · · · · · · · · · · ·	LEASE
15	2201 7557 6 2217	OH 170 200
WELL NO.	330' FNL & 2310 FOOTAGE LOCA	
MADE IV.	A O AROM BOOK	AZON DEO, AUNDREL ANNOD
	·	
•	•	Tubular Data
Completed .	·	
2-4-52	2511	Surface Casing
mr 4 1 4	155	Size: 13-3/8 ". Comented with 275. SX
P&A'd 7-17-84		Size: 13-3/8 " Comented with 275. SX
		TOC: Surface feet determined by calc
	-3/	
	L 133/8	liole size: 17-1/2"
	255X 2691	Intermediate Casing
	1756-	THE TWENTACE OWSTING
	(910	Size: 8-5/8 " Cemented with 500 SX
	255%	more 493 to the things
	31 87	TOC: 223 feet determined by 50% calc
•		Hole Size: 12-1/4"
	L 85/8	•
idetrocked	3500,	Long String
, 1120 sack	2557 =	Size: 5-1/2 " Cemented with 450 SX
4715-4465	5673 - 5827	4910 original by tempsurvey
1 0 mm - 100 mm		TOC: 1855 feet determined by temp su
600g-5900 3200 <sub>-7725</sub>	350% = .	· Sidetr
1240 - 1725	8200'	Hole Size: 8-3/4"
	1 5540	Total Depth: 8550'
		Total popul: 0330
	8550	Injection Interval
		(perforated or open-hole, indicate which)
•	•	(portorated or open-note, indicate whiteh)
Tubing size	- lined with	
	_	(material)
(brand & mod	dol)	packer atfeet,
	y other casing-tubi	ng geal).
COM GOODLAND WILL	,. \	
tow moschang mi		••
Other Data	delection formation	
Other Data	injection formation	n
Other Data		
Other Data  1. Name of the	injection formation	icable) Lovington Abo
Other Data  1. Name of the  2. Name of Fiel  3. Is this a n	ld or Pool (If appl	icable) Lovington Abo injection? No
Other Data  1. Name of the  2. Name of Fiel  3. Is this a n	ld or Pool (If appl	icable) Lovington Abo
Other Data  1. Name of the  2. Name of Fiel  3. Is this a n If no, for	ild or Pool (If appl new well drilled for what purpose was th	icable)  Lovington Abo  injection?  No  e well originally drilled?  Production
Other Data  1. Name of the  2. Name of Fiel  3. Is this an If no, for  4. Has the wel	ild or Pool (If appl new well drilled for what purpose was th .1 ever be perforate	icable) Lovington Abo injection? No
Other Data  1. Name of the  2. Name of Fiel  3. Is this an If no, for  4. Has the wel	ild or Pool (If appl new well drilled for what purpose was th .1 ever be perforate	icable)  Lovington Abo  injection?  No  e well originally drilled?  d in any other zone(s)? List all such perforated
Other Data  1. Name of the  2. Name of Fie  3. Is this a n	ild or Pool (If appl new well drilled for what purpose was th .1 ever be perforate	icable)  Lovington Abo  injection?  No  e well originally drilled?  d in any other zone(s)? List all such perforated
Other Data  1. Name of the  2. Name of Field  3. Is this an If no, for  4. Has the well intervals a used.	eld or Pool (If applace well drilled for what purpose was the lever be perforate and give plugging de	icable)  Lovington Abo  injection?  No  e well originally drilled?  d in any other zone(s)? List all such perforated tail (sacks of cement or bridge plug(s)
Other Data  1. Name of the  2. Name of Field  3. Is this an If no, for  4. Has the well intervals a used.	eld or Pool (If applate what purpose was the large of the perforate and give plugging depth to and name of	icable)  Lovington Abo  injection?  No  e well originally drilled?  d in any other zone(s)? List all such perforated

	Greenhill Pet	roleum 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 8-5/8" Cemented with 1000 Size: TOC: Surface feet determined by calc Hole size: Intermediate Casing 85/8" 2041' Size: Cemented with SX TOC: feet determined by Hole size: Long String 300 Cemented with 182 Size: 5-1/2" 5/2" 5053 feet determined by 80% calc 6045' Hole size: 7-7/8" TO 6221' Total Depth: 6221' Injection Interval feet to 6221 (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:
- 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? <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

Amocö ·	State "E" TR 18
· OPERATOR	LEASE
16	2201 FM 1 0001 FM 1 17C 26F
16 NO	330' FNL & 990' FWL 1 17S 36E FOOTAGE LOCATION SEC. TOWNSHIP RANGE
WELL NO.	FOOTAGE LOCATION SEC. TOWNSHIP RANGE
•	
	Tubular Data
Completed	Confirm Continu
2-25-53	Surface Casing
?& <b>^'</b> d	Size: 13-3/8 ". Comented with 300 SX
4-26-84	circ.
	TOC common feat datarmined by calc
CIBP set	1 7 P 9
8103'	215 Hole size:
Pumped 15 sx	
Set retainer	Intermediate Casing
@ 4261'	Size: 9-5/8 " Cemented with 300 SX
Pumped 346 sx Set retainer	
et retainer @ 1326'	TOC: 2050 feet determined by 50% raic
Pumped 900 sx	95/8
Spotted 15 sx	In Mala Class 12 1/4H
cement surface	****
plug	Long String
	Size: 7 " Cemented with 500 per life
•	Total Sant dehamined by
•	TOC: 4550 feet determined by temp surv
	70 8517 Hole Size: 8-3/4"
	10 8517 1010 11201
	Total Depth: 8517'
	B
	Injection Interval
	feet tofeetfeet
•	(perforaced of open-note, indicate winten)
Tubing gizo	lined withset in a
1402116 3220	(material)
·	packer at feet.
(brand & mod	el)
(or describe any	other casing-tubing seal).
Other Data	
Ocher Daca	,
1. Name of the	injection formation
2. Nama of Fiel	d or Pool (If applicable) Lovington Abo
2 ' Ta white =	w well drilled for injection? No
3. Is this a ne If no, for w	hat purpose was the well originally drilled? Production
•	
	ever be perforated in any other zone(s)? List all such perforated digive plugging detail (sacks of cement or bridge plug(s)
used.	w 8x10 brakking accur (sacks or coment or arrake brakes)
~~~.	
	oth to and name of any overlying and/or underlying oil or gas zones
(pools) in t	
Above	evDrinkard
MOOA	U. MA AMAMA U

Greenniii Petroleum Corporatio	n Lovington Paddock
OPERATOR	LEASE
46 660' FNL & 990' F	WL 1 17S 36E
WELL NO. FOOTAGE LOCA	ATION SEC. TOWNSHIP RANGE
	Tubular Data
Spud Date	Surface Casing
11-20-54	Size: 8 5/8 ~ Comented with 1250. sx
Deepen to 6300'	TOC: Surface feet determined by calc
	Hole size: 12 14
	Intermediate Casing
L 85/811 2057'	Size: Cemented with SX
	TOC: feet determined by
	Hole Size:
	Long String
	Size: 5 1/2 " Cemented with 350 SX
	TOC: -3077 3 700 feet determined by temp survey
· · ·	
- U 4	Hole Size: 7 7/8"
\$ 10062	Total Depth: 6220'
TO 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
Rakon AD 1 DC	(material) packer at 6000 feet.
(brand & model)	packet at
(or describe any other casing-tubic	ng seal).
Other Data	·
1. Name of the injection formation	
2. Name of Field or Pool (If appl	icable) Paddock
3. Is this a new well drilled for If no, for what purpose was the	
	d in any other zone(s)? List all such perforated tail (sacks of cement or bridge plug(s)
5. Give the depth to and name of (pools) in this area.	any overlying and/or underlying oil or gas zones
Above Glorieta	

Penroc		State "I	E" TR 18	
OPERATOR		LEASE		
23	880' FNL & 790' FWL	1	175	36E
WELL NO.	FOOTAGE LOCATION	SFC.	TOWNSHIP	RANGE

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

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"

113/4 336' Intermediate Casing

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

TOC: Surface feet determined by calc

Hole size: 11"

Long String

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

TOC: 2908 feet determined by 80% calc

7-7/8" Hole size:

Total Depth: 8450'

Injection Interval TO 8450'

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

> > packer

Tubing size lined with - set in a

85/81 5116

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

#### 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
- 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 OPERATOR	roleum Corporation Lovington San Andres LEASE
#30 WELL NO.	660 FNL & 660 FWL 1 T17S R36E FOOTAGE LOCATION SEG. TOWNSHIP RANGE
	Tubular Data
	Surface Casing
	Size: 13 " Comented with 200 SX
	TOC: Surface feet determined by circulation
	265, Hole size: 17 1/4
	13" Intermediate Casing
	Size: 8 5/8" Cemented with 500 SX
Completed . 12/2/39	TOC: 1597 feet determined by 50% calc
	Hole Size: 12"
:	8 s/g" Long String
	Size: 5 1/2" Cemented with 300 SX
•	TOC: 2910 feet determined by 80% calc
·.	Hole Size: 7 7/8 "
•	4543 Total Depth: 4970
	77/g" Injection Interval
• •••	14970' 4543 feet to 4970 feet TD (perforated or open-hole, indicate which)
Tubing size 2"	lined with IPC set in a
	(material) A packer at 4485 feet.
(brand & model)	
Other Data	her casing-tubing seal).
	ection formation San Andres
	r Pool (If applicable) Lovington San Andres
3. Is this a new v	rell drilled for injection? <u>No</u> : purpose was the well originally drilled? <u>Production</u>
4. Has the well en	ver be perforated in any other zone(s)? List all such perforated give plugging detail (sacks of cement or bridge plug(s)
Ť i	to and name of any overlying and/or underlying oil or gas zones
•	ying ~ Grayburg

	ymoco ,	State "E" TR 18
•	OPERATOR	LEASE
	18	330' FNL & 330' FEL 2 17S 36E
	WELL NO.	FOOTAGE LOCATION SEC. TOWNSHIP RANGE
	•	
		Tubular Data
comp1	otod .	
6-12		Surface Casing
V		12.7/9
δΛ¹d	11-7-83	Size: 13-3/8 . Comented with 275. SX
		circ,
	•	Toc: Surface feet determined by eale
		259 Hole size: 17-1/2"
		refore 1958 Intormediate Casing
		Size: 9-5/8 " Cemented with 300 SX
		2016
		100: 2246 1600 feet determined by 50% calc
•		4818 Nole Size:
		Long String
		SISO
		size: 7 " Cemented with 550+550 cu ft sx
	·	Size: 7 " Cemented with 550+550 cu ft SX perlite
	•	165. Too: 553 feet determined by 80% calc
		$\overline{\tau}$
*		Nole Size: 8-5/8"
		area!
		Total Depth: 8530'
		Injection Interval
		feet to feet
	•	(perforated or open-hole, indicate which)
	•	
Tub:	ing size	lined with'set in a
	-	(material)
		packer atfeet.
	(brand & mod	
(or	describe any	other casing-tubing seal).
0.1	. 5	
<u>Utne</u>	r Data	
1 1	Name of the	Interton formation
		injection formation
2.	Name of Fiel	ld or Pool (If applicable) Lovington Abo
4,	Mamo of Tros	
3.	Is this a ne	ny voll drilled for injection?
		what purpose was the well originally drilled?
4.	lias the well	l ever be perforated in any other zone(s)? List all such perforated
•	intorvals ar	nd give plugging detail (sacks of coment or bridge plug(s)
	used.	
		pth to and name of any overlying and/or underlying oil or gas zones
	(pools) in	

	Greenhill Pet	roleum Corporation	Lovington	Paddock		
	OPERATOR		LEASE			
	#45	660' FNL & 330' FWL	2	175	36E	
_	WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE	

#### Tubular Data

Completed 2-9-55

Converted to Injection 12/66

#### Surface Casing

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

TOC: Surface feet determined by calc

Hole size: 1212

og/ " <u>Intermediate Casing</u>

2053' Size:

85/2"

Cemented with

SX

TOC:

feet determined by

Hole size:

Long String

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

TOC: 3865 feet determined by 80% calc

51/2"

Hole size: 7-7/8"

TD 6235' Total Depth: 6235'

#### Injection Interval

6111 feet to 6235 feet (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:

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.

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

Above Glorieta

Completed 1/21/42  Completed 1/21/42  Completed 1/21/42  Completed 1/21/42  Toc: 218 feet determined by 50% call liole Size: 11"  Long String 15''s" Size: 5 1/2 " Comented with 380 5 100; 2518 feet determined by 80% call liole Size: 7 7/8"  Long String 15'/7"  Toc: 2518 feet determined by 80% call liole Size: 7 7/8"  Lysqo' Total Depth: 4980'	Greenhi OPERATO	11 Petroleum Corporati	on Loyington San Andres Unit
Surface Casing  Size: 13			
Sizo: 13			Tubular Data
Completed 1/21/42  Completed 1/21/42  Completed 1/21/42  TOG: Surface feet determined by calc lines size: 17"  Size: 8 5/8 " Comented with 600 S  TOG: 218 feet determined by 50% cal lines Size: 11"  Long String Size: 5 1/2 " Comented with 380 Size: 5 1/2 " Comented with 380 Size: 7 7/8"  TOG: 2518 feet determined by 80% cal lines Size: 7 7/8"  Total Depth: 4980'  Total Depth: 100 Size: 7 7/8"  Set in packer at feet to feet, (material)  Tubing size 1 lined with set in feet, (material)  Total Depth: 1 feet, (material)  Tubing size 1 feet, (material)			Surface Casing
Completed 1/21/42    Size: 8 5/8 " Cemented with 600 S   TOC: 218   feet determined by 50% call     long String     Size: 5 1/2 " Cemented with 380 Size: 7 7/8"     Voca			Sizo: 13 ". Comonted with 215 SX
Completed 1/21/42  Size: 8 5/8 " Cemented with 600 S  TOC: 218 feet determined by 50% call liole Size: 11"  Long String Size: 5 1/2 " Cemented with 380 S  TOC: 2518 feet determined by 80% call liola Size: 7 7/8"  15490 Total Depth: 4980'  17/1" Injection Interval 4970' To feet to feet (perforated or open-hole, indicate which)  Tubing size 1 lined with packer at feet.  (brand & model) (or describe any other casing-tubing seal).			TOC: Surface feet determined by calc
Completed 1/21/42  Size: 8 5/8 " Comented with 600 s  TOC: 218 feet determined by 50% cal  Hole Size: 11"  Long String	·		
Completed 1/21/42  Size: 8 5/8 " Comented with 600 S  TOC: 218 feet determined by 50% cal  Hole Size: 11"  Long String  F5/9" Size: 5 1/2 " Comented with 380		210	
TOC: 218 feet determined by 50% cal lible Size: 11"    205(p)   Long String     100: 2518   feet determined by 80% cal lible Size: 5 1/2 " Cemented with 380     100: 2518   feet determined by 80% cal lible Size: 7 7/8"     100: 2518   feet determined by 80% cal lible Size: 7 7/8"     100: 2518   feet determined by 80% cal lible Size: 7 7/8"     100: 2518   feet determined by 80% cal lible Size: 7 7/8"     100: 2518   feet determined by 80% cal lible Size: 7 7/8"     100: 2518   feet determined by 80% cal lible Size: 7 7/8"     100: 2518   feet determined by 80% cal lible Size: 7 7/8"     100: 2518   feet determined by 80% cal lible Size: 7 7/8"     100: 2518   feet determined by 80% cal lible Size: 7 7/8"     100: 2518   feet determined by 80% cal lible Size: 7 7/8"     100: 2518   feet determined by 80% cal lible Size: 7 7/8"     100: 2518   feet determined by 80% cal lible Size: 7 7/8"     100: 2518   feet determined by 80% cal lible Size: 7 7/8"     100: 2518   feet determined by 80% cal lible Size: 7 7/8"     100: 2518   feet determined by 80% cal lible Size: 7 7/8"     100: 2518   feet determined by 80% cal lible Size: 7 7/8"     100: 2518   feet determined by 80% cal lible Size: 7 7/8"     100: 2518   feet determined by 80% cal lible Size: 7 7/8"     100: 2518   feet determined by 80% cal lible Size: 7 7/8"     100: 2518   feet determined by 80% cal lible Size: 7 7/8"     100: 2518   feet determined by 80% cal lible Size: 7 7/8"     100: 2518   feet determined by 80% cal lible Size: 7 7/8"     100: 2518   feet determined by 80% cal lible Size: 7 7/8"     100: 2518   feet determined by 80% cal lible Size: 7 7/8"     100: 2518   feet determined by 80% cal lible Size: 7 7/8"     100: 2518   feet determined by 80% cal lible Size: 7 7/8"     100: 2518   feet determined by 80% cal lible Size: 7 7/8"     100: 2518   feet determined by 80% cal lible Size: 7 7/8"     100: 2518   feet determined by 80% cal lible Size: 7 7/8"     100: 2518   feet determined by 80% cal lible Size: 7 7/8"     100: 2518   feet determin	Completed		
liole Size: 11"  Long String  F5/2" Size: 5 1/2 " Cemented with 380  TOC: 2518 feet determined by 80% call  liole Size: 7 7/8"  Lysqo' Total Depth: 4980'  17/1"  Lnjection Interval  Lqqpo' feet to feet  (perforated or open-hole, indicate which)  Tubing size lined with set in  packer at feet.  (brand & model)  (or describe any other casing-tubing seal).			
Long String    Size: 5 1/2 " Cemented with 380   String			
Toc: 2518 feet determined by 80% call liole Size: 7 7/8"    4540' Total Depth: 4980'   Total	•		long String
TOC: 2518 feet determined by 80% call liole Size: 7 7/8"    1/540'   Total Depth: 4980'			
Itole Size: 7 7/8"  4540' Total Depth: 4980'  Total Depth: 4980'  Injection Interval  (perforated or open-hole, indicate which)  Tubing size lined with set in (material)  packer at feet,  (or describe any other casing-tubing seal).			
Tubing size lined with packer at feet.  (brand & model) (or describe any other casing-tubing seal).	•		
Tubing size lined with feet feet feet feet feet feet feet feet			
Tubing size lined with feet to feet to feet to feet to feet to feet to feet (perforated or open-hole, indicate which)  Tubing size lined with		4590'   77/1"	•
Tubing sizelined withset in		<b>{</b>	
(material)  packer atfeet.  (brand & model)  (or describe any other casing-tubing seal).  Other Data	•	TD	
(material)  packer atfeet.  (brand & model)  (or describe any other casing-tubing seal).  Other Data	Tubing size	lined with	set in a
(brand & model) (or describe any other casing-tubing seal).  Other Data			(material)
Other Data			
V		the injection formation	n
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	intorval used.	s and give plugging de	tail (sacks of cement or bridge plug(s)
5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.	5. Give the	depth to and name of	any overlying and/or underlying oil or gas zones
<u> Underlying - Grayburg</u>			

Penroc '	State E TR 18
· OPERATOR	LEASE
21	660' FNL & 1650' FEL 2 17S 36E
21 WELL NO.	FOOTAGE LOCATION SEC. TOWNSHIP RANGE
•	Tubular Data
Completed 11-9-53	Surface Casing
11 7 55	51zo: 13-3/8 ". Comented with 275 SX
Converted to	249' TOC: Surface Feet determined by calc
Deepened to 1987' 3-9-79	lole size: 17-1/2"
	Intermediate Casing
	Size: 9-5/8 " Cemented with 300 SX
	TOC: feet determined by
	3300 Hole Size: 12-1/4"
•	
7" csg. sqrd w	
600 sx at 4722	For dehanded he
· TOC 3375 by TS	TOC: 3375 feet determined by temp sur
	1" Hole Size: 8-3/4"
	Total Depth: 8470
	13470 Injection Interval
	8187 8391 feet to 8987 feet
	(perforated or open-hole, indicate which)
m.d.f	/2" 11 1 1 1 1 TPC
Tubing size 2-1	/2" lined with IPC set in a (material)
	packer at 8378 feet.
(brand & model)	her casing-tubing seal).
or describe any oc	not casting-capting south.
Other Data	
1. Name of the inj	ection formation Abo
2. Name of Field o	r Pool (If applicable) Lovington Abo
	rell drilled for injection? No purpose was the well originally drilled? Production
4. Ilas the well ev	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 area.
Ahovo I	Drinkard

	Petroleum Corpo	
OPERATOR	•	LEASE
#39		& 610 FWL 6 T17S R37E
WELL NO.	FOOTAGE	E LOCATION SEC. TOWNSHIP RANGE
		Tubular Data
		Surface Casing
·		Size: 13 " Cemented with 200 SX
		TOC: Surface feet determined by circulation
		liole size: 15"
		1297: Intermediate Casing
Completed		Size: 9 5/8 " Cemented with 500 SX
10/28/39		
٠	·.	TOC: 1506 feet determined by 50% calc
•		Nole Size: 12"
		-3139' 95/5" Long String
		Size: 7 " Comented with 200 SX
		TOC: 3245 feet determined by 80% calc
	<u> </u>	$\frac{1522}{7}$ Hole Size: 8 $\frac{3}{4}$
	· · · }	Total Dopth: 4945'
•		4915' Injection Interval TD 4575 foot to 4575 foot
		(perforated or open-hole, indicate which)
mulature estera	21/4	
ruorug arze _		(matorial)
(brand & r	rada1)	packer at <u>4570</u> feet.
(or describe	iny other casing	-tubing soal).
Other Data	•	
		Can Andrea
1. Name of the	is injection for	mation San Andres
2. Name of F	Leld or Pool (If	applicable) Lovington San Andres
3. Is this a	new well drille	d for injection? No
		as the well originally drilled? Production
		orated in any other zone(s)? List all such perforated ng detail (sacks of cement or bridge plug(s)
used.	No	I amage party
•		
5. Give the (pools) i	depth to and nam n this area.	ne of any overlying and/or underlying oil or gas zones
•	Underlying - 0	2naybung

500D

Rice	Eng	inearin	7
Ohio Oi	<del>1 Cŏ</del>	mpatry -	ر

760 501D System State B 4286-"A"

OPERATOR		LEASE		
1	2310' FWL & 990' FNL	. 2	175	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

#### Tubular Data

### Surface Casing 13-3/8" Cemented with Size: 350 SX Completed CITC 2-8-54 TOC: Surface feet determined by calc Hole size: 17-1/2" Rice Engrg. 133/8 Deepened to 8858' & Intermediate Casing Converted to a SWD Well Size: 9-5/8" Cemented with 1750 SX TOC:Circ to Sur. feet determined by calc Hole size: 12" 3348' Long String Size: 5-1/2" Cemented with 1350 SX feet determined by 80% calc TOC: 3484 ეკი. ი გეკუ, Hole size: 8-3/4" Total Depth: 8534' TO 8858 SWD 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: NA
- 2. Name of Field or Pool (If applicable) Lovington
- 3. Is this a new well drilled for Injection? If no, for what purpose was the well originally drilled?
- 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	roleum Corp.	Lovington Paddock
· OPERATOR		LEASE
85	1590 FWL 1 14	IT FNL Sec. 1 TITS-RICE
WELL NO.	FOOTAGE LOCA	
	•	
	• • • • • • • • • • • • • • • • • • • •	Tubular Data
• •		Surface Casing
	111	Sizo: 13%. ". Comented with 500 SX
		TOC: Surface foot determined by calc
	137/9	Nole size: // /z_
	11 . "	Intormediate Casing
·		Size: 8% " Cemented with 900 SX
		TOC: 201 feet determined by 50% call
•	85/8	Hole Size: //
	2951	Long String
		•
•	5 N2	Size: 5½ " Comented with 1230 SX
•	= s <sup>1</sup> 2, 3, 3, 70	TOC: Sufaci feet determined by Forecale
	6400	Hole Size: 778
•		Total Depth: 6400
• •	•	Injection Interval
		feet to feet
•		(perforated or open-hole, indicate which)
Tubing size	lined with	
		(material) packer atfeet.
(brand & mode	ol) other casing-tubi	
	other casting-cast	ng Boal).
Other Data	•	
1. Name of the	injection formatio	n
2. Name of Field	d or Pool (If appl	icable) Lovington Paddock
3. Is this a new If no, for wh	w well drilled for hat purpose was th	injection? No
4. llas the well	ever be perforate	ed in any other zone(s)? List all such perforated stail (sacks of coment or bridge plug(s)
5. Give the dep (pools) in t	th to and name of	any overlying and/or underlying oil or gas zones
· ·	(above) Gla	
*	LUBOVE   WIE	ric TG

Greenhill OPERATOR	Petroleum Corporation Lovington San Andres Unit LEASE
#57 WELL NO.	660 FSL & 660 FWL 36 T16S R36E FOOTAGE LOCATION SEC. TOWNSHIP RANGE
• .	Tubular Data
•	Surface Casing
•	Size: 13 " Comented with 200 SX
	TOC: Surface foot determined by circulation
· ·	liola size: 17"
	308' Intermediate Casing
Completed	13" Size: 95/8" Comented with 200 SX
8/25/39	TOC: 1509 feet determined by 70% calc
Deepened 5144'	Nole Size: 12 1/4 "
11/86	2036' Long String
	95/9" Size: 7 " Cemented with 250 SX
	TOC: 3266 feet determined by 770% calc
•	
	$L = 40 \times 10^{-1}$
f	Total Depth: 5144'
	70 Injection interval
	(perforated or open-hole, indicate which)
Tubing size	2 % lined with IPC set in a
waterfloo	(material) d tension: packer at 4620 feet.
(brand & mo	del) y other casing-tubing seal).
Other Data	
1. Name of the	injection formation San Andres
	old or Pool (If applicable) Lovington San Andres
3. Is this a r	what purpose was the well originally drilled? Production
	ll 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 d	epth to and name of any overlying and/or underlying oil or gas zones this area.
•	iderlying - Grayburg

Greenhill Petr OPERATOR	roleum Corporation	Lovington San Andres LEASE
#44 WELL NO.	1980' FNL & 660' F	
		Tubular Data
		Surface Casing
mpleted -31-41	111	Size: 13 " Cemented with 210 SX
		TOC: Surface feet determined by calc
		Nole size: 17"
		Intermediate Casing
	La51'	Size: 8-5/8 " Cemented with 600 Si
		TOC: 212 feet determined by calc
		Hole Size: 11"
	2050'	•
	8 5/8"	Long String Size: 5-1/2 " Cemented with 400 S
	155 0 1	TOC: 2377 feet determined by calc
·	{ 5'/2'	Hole Size: 7-7/8"
	· <b>{</b>	Total Depth: 4990'
	1 4990' TD	Injection Interval
		feet to feet (perforated or open-hole, indicate which)
Tubing size	lined with	
		(material)
(brand & model		
		ig sear).
Other Data		San Andres
	njection formation	Louington Con Andrea
2. Name of Field	or Pool (If applie	
	well drilled for a at purpose was the	injection? No Production well originally drilled?
		i in any other zone(s)? List all such perforated tail (sacks of cement or bridge plug(s)
(pools) in th		any overlying and/or underlying oil or gas zones

· OPERATOR	LEASE
WELL NO.	1650' FNI. & 330' FEL 2 17S 36E FOOTAGE LOCATION SEC. TOWNSHIP RANGE
	Tubular_Data
pleted 24-53	155% = 11 Surface Casing
.'d	Sizo: 13-3/8 ". Comented with 265. SX
-84	13% 280' TOC: Surface feet determined by calc
·	Nole size: 17-1/2"
	Intermediate Casing
	Size: 9-5/8" " Cemented with 300 SX
	TOC: feet determined by
	3299 Hole Size: 12-1/4"
	4/1sx — Lang String
	Size: 7 " Cemented with 550 SX
•	7' TOC: 2138 feet determined by calc
•	7200' 8520'
	llole Size: 8-3/4"
	Total Depth: 8525
	Injection Interval
	feet tofeetfeetfeetfeetfeetfeetfeetfeetfeet
Tubing size	lined withset in a
·	(material) packer atfeet.
(brand & mod (or describe any	el) other casing-tubing seal).
Other Data	
	injection formation No
	d or Pool (If applicable) Lovington Paddock
3. Is this a ne If no, for w	wwwell drilled for injection? No hat purpose was the well originally drilled? Production
4. Has the well	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 dep	oth to and name of any overlying and/or underlying oil or gas zones this area.
	e Glorieta

Greenhill Pe	etroleum Corporation	Lovington	Paddock	
OPERATOR		LEASE		
#61	990' FWL & 2310' FNL	1	175	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

## <u>Tubular Data</u>

Surface Casing 8-5/8" Cemented with 1000 SX Size: TOC: Surface feet determined by calc Hole size: Intermediate Casing 85/1 Cemented with SX 20391 Size: TOC: feet determined by Hole size: Long String Size: 5-1/2" Cemented with 220 SX 6080' TOC: 3847 feet determined by 80% calc Hole size: 7-7/8" .TO 6220' Total Depth: 6220' Injection Interval feet to 6220

**Paddock** 

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

packer

(perforated or open-hole, indicate which)

at 6045 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>Paddock</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.

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

Above Glorieta

Pen	rqc State "E" TR 18
· OPERATOR	LEASE
19	1650' FNL & 990' FWL 1 17S 36E
WELL NO.	FOOTAGE LOCATION SEC. TOWNSHIP RANGE
	Tubular Data
	Surface Casing
Completed	Size: 13-3/8 ~ Comented with 332 SX
7-29-53	
•	TOC: Surface foot determined by calc
	L 13 3/8 Hole size: 17-1/2"
	Intermediate Casing
	Size: 9-5/8 " Cemented with 300 SX
	1537 +5
•	3298' Hole Size: 12-1/4"
	Long String
	Size: 7 " Comented with 225 SX
•	TOC: 6775 foot determined by temp sur
	17", Hole Size: 8-3/4"
	Total Depth: 8530'
	Injection Interval
•	(perforated or open-hole, indicate which)
Tubing size	lined withset in a
	(material)
(brand &	model) packer atfeet.
(or describe	any other casing-tubing seal).
Other Data	
1. Name of t	the injection formation
2. Namo of I	Field or Pool (If applicable) Lovington Abo
	No
	a new well drilled for injection?Production or what purpose was the well originally drilled?Production
	well ever be perforated in any other zone(s)? List all such perforated s and give plugging detail (sacks of cement or bridge plug(s)
	depth to and name of any overlying and/or underlying oil or gas zones in this area.
· (hoors)	Above Drinkard

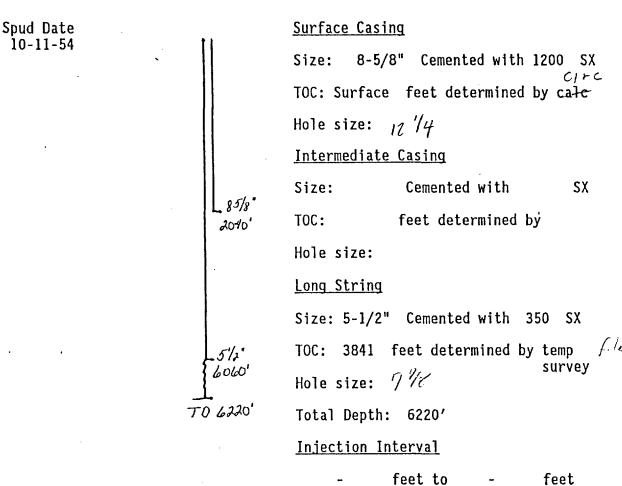
OPERATOR	rieum corporation	Lease	
#42	1980' FNL & 1980	' FWL 1 17S 36E	
WELL NO.	FOOTAGE LOCA		•
		,	
		Tubular Data	
pleted		Surface Casing	•
1-39		Size: 13 " Cemented with	<u>200</u> s
		TOC: Surface feet determined	by <u>calc</u>
		Hole size:	
	2991	Intermediate Casing	
	13"	Size: 9-5/8 " Cemented with	535 s
		TOC: 1517 feet determined	
		Hole Size: 12"	
	3095'		
	95/9"	Long String	300 G
		Size: 7 Cemented with	
		TOC: 2887 feet determine	d by <u>calc</u>
	." [4536	Hole Size: 8-3/4"	•
	7"	Total Depth: 4938'	•
	14938	Injection Interval	
	TO	feet to	feet
	•	(perforated or open-hole, indicate	which)
Tubing size	lined with	(material)	set in
		packer atfe	et.
(brand & model) or describe any of		g seal).	
Other Data			
	•		
L. Name of the in	ection formation	San Andres	
2. Name of Field	or Pool (If appli	cable) <u>Lovington San Andres</u>	
	well drilled for t purpose was the	injection? <u>No</u> well originally drilled? <u>Production</u>	1
		in any other zone(s)? List all such all (sacks of cement or bridge plug(s	
NO	•		

Underlying-Grayburg

PENROC '	State "E' TR 18
OPERATOR 17	LEASE 1650' FNL & 2310' FWL 1 175 36E
WELL NO.	FOOTAGE LOCATION SEC. TOWNSHIP RANGE
	Tubular Data
	Surface Casing
	Size: 13-3/8 Comented with 275 SX
	TOC: Surface feet determined by calc
·	liole size: 17-1/2"
	Intermediate Casing
	131/8
	1550 TC
	TOC: 2316 feet determined by 50% ealc
	Hole Size: 12-1/4"
	Long String + 500 perlife
•	9 % Size: 7 " Comented with 500 SX
•	TOC: 5175 feet determined by Temp Sur
	Hole Size: 8-3/4"
	7" Total Depth: 8506'
• •	1506 Injection Interval
	feet to - feet
•	(perforated or open-hole, indicate which)
Tubing size	
	(material) packer atfeet.
(brand & model)	
ther Data	
	lachtan Gamantan
	jection formation
. Name of Field	or Pool (If applicable) Lovington Abo
. Is this a new If no, for wha	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)
<ol> <li>Give the depth (pools) in thi</li> </ol>	to and name of any overlying and/or underlying oil or gas zones
	Above Drinkard

	Greenhill	Petroleum	Corporation	Lovington	Paddock		
	OPERATOR			LEASE			•
	#60	1980′	FNL & 2310' FWL	1	178	36E	
-	WELL NO.	F00	TAGE LOCATION	SEC.	TOWNSHIP	RANGE	•

## <u>Tubular Data</u>



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

Tubing size - lined with IPC 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.

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

Above Glorieta

Amerada Hess OPERATOR	State L "A" LEASE
11	
WELL NO.	FOOTAGE LOCATION SEC. TOWNSHIP RANGE
•	Tubular Data
	Surface Casing
eted	Sizo: 13-3/8 ". Comented with 250 . SX
5 <b>3</b>	TOC: Surface feet determined by calc
	Nole size: 17-1/2"
	131/8 Intermediate Casina
	Size: 8-5/8 " Cemented with 1500 SX
	TOC: Surface feet determined by eale
.•	Hole Size: 11"
	Long String
	3750 Size: 5-1/2 " Cemented with 600 Si
	TOC: 4908 feet determined by temp sur
	Hole Size: 7-7/8"
	8300 Total Depth:
	TD Injection Interval
	(perforated or open-hole, indicate which)
Tubing size	lined with set in a
	packer atfeet.
(brand & model or describe any c	ther casing-tubing seal).
ther Data	
. Name of the ir	jection formation
	or Pool (If applicable) Lovington Abo
Tethlennow	wall drilled for injection? No
If no, for who	at 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)
5. Give the dept	n to and name of any overlying and/or underlying oil or gas zones
(pools) in th	ls area. Pove Drinkard

	etroleum Corporation	LEASE Lovington San Andres
OPERATOR	•	•
#41	'1980'FNL & 1980	
WELL NO.	FOOTAGE LOCA	TION SEC. TOWNSHIP RANGE
,		
		Tubular Data
	•	
1 . 4 !	111	Surface Casing
ip1eted :22-39		Size: 13
•	. \	TOC: Surface feet determined by calc
		liole size:17-1/4"
	. [1]	Intermediate Casing
	L314'	
		Size: 8-5/8" " Cemented with 250 S
		TOC: 2332 feet determined by calc
,		Hole Size: 11"
		Long String
	-3100' .978"	Size: 5-1/2 " Cemented with 200 S
•	À -18	
		TOC: 3501 feet determined by calc
•	4592'.	Hole Size: 7-7/8"
	5/2"	Total Depth: 4903
•		Injection Interval
•	· 1 4903' TD	feet to feet
•	•	(perforated or open-hole, indicate which)
Tubing size	lined with	set in a
	,	(material)
· (brand & mo	odel)	packer atfeet.
or describe ar	ny other casing-tubir	ng seal).
ther Data		
. Name of the	injection formation	San Andres
	ald or Pool (If appli	Lovington Can Andrea
	· ·	N
	new well drilled for what purpose was the	injection? No Production Production
		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
· ·	this area,	
UII	iderlying-Grayburg	

Greenhill P	Petroleum Corporation	Lovington	Paddock		
 OPERATOR		LEASE			
#59	1650' FNL & 1980' FEL	1	175	36E	
 WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE	

## Tubular Data

Surface Casing Completed 10-19-53 Size: 13-3/8" Cemented with 300 SX Converted to Injection 9-73 TOC: Surface feet determined by calc 133/2" 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 550 SX TOC: 30548 feet determined by 80% calc Hole size: 7-7/8" 5% Total Depth: 6235 6050 Injection Interval TO 6235' 6050 feet to 6235 (perforated or open-hole, indicate which)

Tubing size 3" lined with IPC set in a

packer

at 5991 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.

Above Glorieta

No

I	Greenhill Petroleum Corporation	Lovington Paddock				
	OPERATOR			LEASE		
	#58	1980' FNL & 560'	FEL	1	175	36E
<del></del>	WELL NO.	FOOTAGE LOCATIO	N	SEC.	TOWNSHIP	RANGE

#### Tubular Data

Spud Date 10-53

## Surface Casing

Size: 13-3/8" Cemented with 300 SX
TOC: Surface feet determined by calc
Hole size: 17/2

\_*|33*/8° Hole size: 17<sup>1</sup>/<sub>2</sub> \_297'

## Intermediate Casing

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

TOC: 588 feet determined by temp survey

10 Hole size:

## Long String

Size: 5-1/2" Cemented with  $\frac{550}{500}$  SX

TOC: 3795 feet determined by temp survey

Hole size: 7%

Total Depth: 6235

TO 6235'

.51/2**"** 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:
- 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.

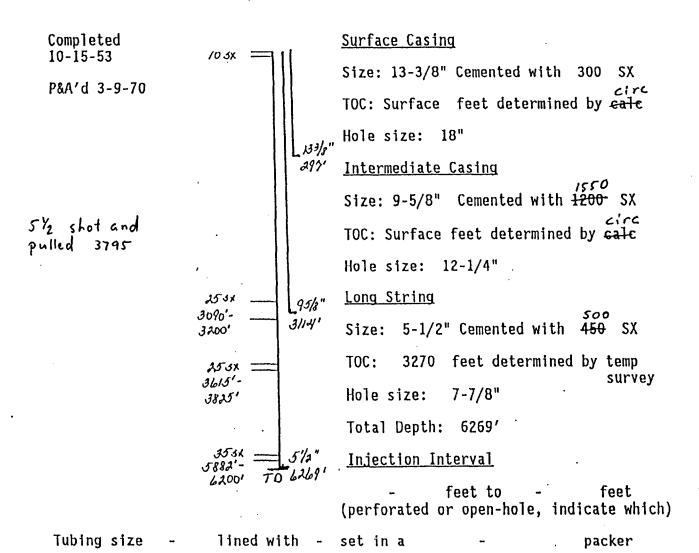
No

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

OFERATOR  ### 1980 & 695' FEL 6 17S 37E  WELL NO. FOOTAGE LOCATION SEC. TOWNSHIP MANCE  TUDULOR DATA  Surface Casing  Surface Casing  Size: 13-3/8 " Comented with 300 SX  TOC: Surface foot determined by calc  Hole size: 17 1/2 Lintermediate Casing  134 Size: 8-5/8 " Comented with 1400 SX  TOC: Surface foot determined by ralc  Hole Size: 1!  Long String  21/8 Size: 5-1/2" " Comented with 350 SX  TOC: 5434 4820 foot determined by ralc  Hole Size: 7 3/4  100: 5434 4820 foot determined by TS  101-101 Size: 1 (material)  (perforated or open-hole, indicate which)  Tubing size 2-3/8" lined with 1PC (material)  (perforated or open-hole, indicate which)  Tubing size 2-3/8" lined with 1PC (material)  (perforated or open-hole, indicate which)  Tubing size 3-3/8" lined with 1PC (material)  (production formation Paddock  1. Name of the injection formation Paddock  3. Is this a new woll drilled for injection? Ro  If no, for what purpose was the well originally drilled? Production  4. Has the well over be perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of coment or bridge plug(s)  No  5. Cive the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.  Above Clordeta		Greenhill Pe	etroleum Corporation	Lovington Paddock
Tubular_Data  Completed 6-13-52  Completed 6-13-52  Surface Casing Size: 13-3/8		OPERATOR		
Tubular_Data  Completed 6-13-52  Completed 6-13-52  Surface Casing Size: 13-3/8		# 57	1980' & 695' FEL.	6 17g 27g
Completed 6-13-52    Surface Casing		WELL NO.		
Surface Casing  Size: 13-3/8 " Comented with 300 . SX  TOC: Surface feet determined bycalc				•
Surface Casing  Size: 13-3/8 " Comented with 300 . SX  TOC: Surface feet determined bycalc				
Size: 13-3/8 "Comented with 300 SX  TOC: Surface feet determined by calc    101e size:   17 \sqrt{2}     101e size:   17 \sqrt{2}     101e size:   17 \sqrt{2}     101e size:   11     101e size:   12     101e size:   13     101e size:   14     101e size:   17 \sqrt{2}     101e size:   7 \sqrt{2} \sqrt{2}     101e size:   11 \sqrt{2} \sqrt{2} \sqrt{2} \sqrt{2}     101e size:   11 \sqrt{2} \sqrt			,	Tubular Data
Size: 13-3/8 "Comented with 300 SX  TOC: Surface feet determined by calc    101e size:   17 \sqrt{2}     101e size:   17 \sqrt{2}     101e size:   17 \sqrt{2}     101e size:   11     101e size:   12     101e size:   13     101e size:   14     101e size:   17 \sqrt{2}     101e size:   7 \sqrt{2} \sqrt{2}     101e size:   11 \sqrt{2} \sqrt{2} \sqrt{2} \sqrt{2}     101e size:   11 \sqrt{2} \sqrt			Surfa	ce Casing
TOC: Surface feet determined bycalc		-	111	
Intermediate Casing  Intermediate Casing  Intermediate Casing  Intermediate Casing  Intermediate Casing  Intermediate Casing  Toc: Surface feet determined by calc.  Hole Size: //  Long String  26/6 Size: 5-1/2" " Comented with 550 SX  TOC: 5454 4820 feet determined by TS  Intermediate Casing  Intermediate Casing  Nome of Field or Fool (If applicable) Paddock  Intermediate Casing  Intermediate Casing  Intermediate Casing  Total Depth: 8450  Intermediate Feet determined by TS  Intermediate Feet determined by Calc.  Nome of Field or Fool (If applicable) Paddock  Intermediate Casing  Intermediate Feet determined by Calc.  Intermediate Feet d	6	-13-52	Size:	13-3/8 ". Comented with 300 . SX
Intermediate Casing    18			TOC:	Surface foot determined by calc
Tubing size 2-3/8" lined with 1PC (material)  (brand & model)  (c) describe any other casing-tubing seal).  Other Data  1. Name of the injection formation  Paddock  1. Name of Field or Fool (If applicable) Paddock  1. Name of Field or Fool (If applicable) Paddock  1. Ilas 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  1. Cive the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.			lole	sizo: 171/2
TOC: Surface feet determined by calc linds Size: 11  Long String    35/8   Size: 5-1/2" " Commented with 550   SX     3114   TOC: 5454 4320   feet determined by T5     1016 Size: 7 3/4     1026   Size: 5-1/2" " Commented with 550   SX     1016 Size: 7 3/4     1026   Size: 7 3/4     1027   Size: 7 3/4     1028   Size: 5-1/2" " Commented with 550   Size: 5-1/2" " Commented			. Inter	mediate Casing
TOC: Surface feet detexmined by _calc   Hole Size: _//   Long String   31/8   Size: _5-1/2"				8-5/8 " Cemented with 1400 SX
Long String    Sign   Size: 5-1/2"				Surface feet determined by calc
Size: 5-1/2" " Commented with 550 SX   TOC: 5454 4820   feet determined by TS   Ilole Size: 73/4   Total Depth: 8450   Injection Interval 6018   6018   feet to 6187   feet (perforated or open-hole, indicate which)    Tubing size 2-3/8" lined with   IPC   set in a   (material)   feet   6018   feet   f	<i>:</i>		liole	Size: 11
Toc: 5454 4820 feet determined by Tocale    Hole Size: 73/4			Long	String
Ilole Size: 7 3/4				5-1/2" " Cemented with 550 SX
Tubing size 2-3/8" lined with IPC set in a feet.  (brand & model) (or describe any other casing-tubing seal).  Other Data  1. Name of the injection formation  Paddock  1. 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 be perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of coment 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.		•	3114 TOC:	5454 4820 feet determined by TS
Injection Interval  6018 1020 feet to 6187 feet  (perforated or open-hole, indicate which)  Tubing size 2-3/8" lined with IPC set in a  (material)  packer at 6018 feet.  (brand & model) (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. Ilas 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 (pools) in this area.			Hole	Size: 73/4
Injection Interval  4018 4028 5220 feet to 6187 feet  (perforated or open-hole, indicate which)  Tubing size 2-3/8" lined with			5 <sup>v</sup> 2" Tota	1 Depth: 8450
Tubing size 2-3/8" lined with			. 70.5540 Infe	ction Interval
(perforated or open-hole, indicate which)  Tubing size 2-3/8" lined with			6	058
Tubing size 2-3/8" lined with IPC (material)  - packer at 6018 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) Paddock  3. Is this a new well drilled for injection? No If no, for what purpose was the well originally drilled? Production  4. Ilas 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. Cive the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.				1880 00 0107 1880
packer at 6018 feet.  (brand & model) (or describe any other casing-tubing seal).  Other Data  Paddock  Name of the injection formation  Paddock  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  Intervals and give plugging detail (sacks of cement or bridge plug(s) used.  No  Cive the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.		• •	ζρο	2024004 02 opon nozo, znazouco mizon,
(brand & model) (or describe any other casing-tubing seal).  Other Data  1. Name of the injection formation  Paddock  2. Hame 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. Ilas 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. Cive the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.	Tul	bing size <u>2-3</u>	/8" lined with TP	
(brand & model) (or describe any other casing-tubing seal).  Other Data  Paddock  Name of the injection formation  Paddock  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  Ilias the well ever be perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of coment or bridge plug(s) used.  No  Sive the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.	•	•	packer	
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. Man the well ever be perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of coment or bridge plug(s) used.  No  5. Cive the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.			,	
Paddock  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. Man 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. Cive the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.	(or	describe any o	ther casing-tubing seal	).
<ol> <li>Name of the injection formation</li> <li>Name of Field or Pool (If applicable) Paddock</li> <li>Is this a new well drilled for injection? No         If no, for what purpose was the well originally drilled? Production</li> <li>llas 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>	Oth	or Data	•	
<ol> <li>Name of Field or Pool (If applicable) Paddock</li> <li>Is this a new well drilled for injection? No         If no, for what purpose was the well originally drilled? Production</li> <li>lias 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>	1	Name of the in	laction formation	addock
<ol> <li>Is this a new well drilled for injection? No         If no, for what purpose was the well originally drilled? Production     </li> <li>Ilas 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>		•		
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 (pools) in this area.	2.	Name of Field	or Pool (If applicable)	Paddock
<ul> <li>4. lias 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></ul>	3.			
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 (pools) in this area.	_	•		
No  Sive the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.	.4.			
5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.		used.		vacus of coment of pringle,
(pools) in this area.		N	· .	
	5.			erlying and/or underlying oil or gas zones
	•	;	•	

	Sun Oil Comp	pany	M. Ca	ylor		
_	OPERATOR		LEASE			
	6	902' FWL & 1980' FNL	6	175	37E	
-	WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE	

#### Tubular Data



## Other Data

1. Name of the injection formation:

feet.

- 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? <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.

(Or describe any other casing-tubing seal).

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

(Above) Glorieta

Penroc	•	•	C. S. Cay	ylor		
 OPERATOR			LEASE			
4F	1653' FNL & 1558' FWL		6	178	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"

3304'

283'

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

packer

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

TO 8445

## 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

Greenhill	Petroleum	Corporation	Lo	/ington	Paddock	
 OPERATOR				LEASE	<del></del>	
#56	1650′	FNL & 1733' FV	ML	6	178	37E
 WELL NO.	F0	OTAGE LOCATION		SEC.	TOWNSHIP	RANGE

### Tubular Data

Spud Date Surface Casing 10-7-53 Size: 8-5/8" Cemented with 975 SX TOC: Surface feet determined by calc Hole size: || 85/8" 2026 Intermediate Casing Cemented with SX Size: feet determined by TOC: Hole size: Long String 6/00° Size: 5-1/2" Cemented with 400 SX TOC: 4139 feet determined by temp TO 6256' survey 77/8/ Hole size: 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).

## Other Data

- 1. Name of the injection formation:
- 2. 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.

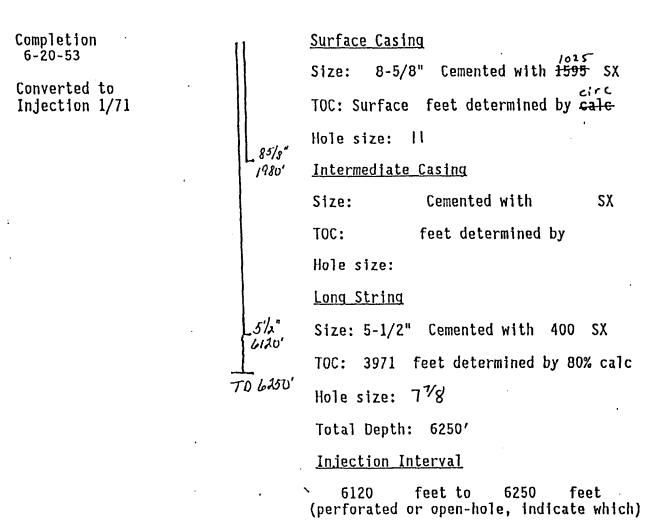
Above Glorieta

Greenhill P OPERATOR	etroleum Corporation Lovington San Andres LEASE
38	1650' FNL & 1980' FWL 6 17S 36E
WELL NO.	1650' FNL & 1980' FWL 6 17S 36E FOOTAGE LOCATION SEC. TOWNSHIP RANGE
	<u>Tubular Data</u>
mpleted -16-39	Surface Casing
-10-33	Size: 13 " Cemented with 250 S
	TOC: Surface feet determined by circ
	Hole size: 17-1/4" 15
	Intermediate Casing
	310' Size: 9-5/8 " Cemented with 350 s
	TOC: 1804 feet determined by calc
	Hole Size: 12" 1034
	Long String
	2450' Size: 7 " Cemented with 300 S
•	TOG: 2707 feet determined by calc
,	Hole Size: 8-3/4" 874
	4590' Total Depth: 4945'
•	Injection Interval
	10 (perforated or open-hole, indicate which)
Tubing size	lined withset in
	(material) packer atfeet.
(brand & mo	odel) ny other casing-tubing seal).
Other Data	
	s injection formation San Andres
	eld or Pool (If applicable) Lovington San Andres
	new well drilled for injection? NO what purpose was the well originally drilled? Production
	ll ever be perforated in any other zone(s)? List all such perforated and give plugging detail (sacks of cement or bridge plug(s)
NO	•

Underlying-Grayburg

Greenhill I	Petroleum Corpor	ation	Lovington	Paddock	
OPERATOR			LEASE	**************************************	
#55	1879' FNL &	2248' FEL	6	178	37E
WELL NO.	FOOTAGE I	OCATION	SEC.	TOWNSHIP	RANGE

### Tubular Data



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

Above Glorieta

Greenhill Petrole	um Corporation			Lovington Pa	addock
OPERATOR			Lease		
54	1650' FNL	& 660' FEL '	· 6	175	37E
WELL NO.	FOOTAGE	LOCATION	SEC.	TOWNSHIP	RANGE
	, .				
			T	ıbular Data	•
Spud Date		Surface	Casing	<b>.</b> ,	
2-6-54				•	with <u>1595 .</u> sx
	-	•			
,		TOC: _3	uriace	teet d	etermined by calc
		Hole s.	lze:		
		Interm	ediate Cas	sing	·
		Size:_		" Cemented	withSX
	L 85/8"	TOC:		feet d	etermined by
	3185	Hole S			
			<del> </del>		
		Long S			
		Size:_	5 1/2	" Cemented	with 435 sx
•	51/211.	TOC:	3537	feet d	letermined by temp surv
	101351	Hole S	ize:	77/8	
	TD 6250'	Total	Depth:	6250'	
					-
			ion Inter	val	COTO
			135	feet to	6250 feet indicate which)
	3/8			open noze,	• •
Tubing size 2	11ned w	TCII	(mat	erial)	set in a
Baker AD - 1 PC (brand & mode	al)	packer s	6075		feet.
(or describe any		ubing seal).			
Other Data	.· · ·				
1. Name of the	injection forma	ıtion	Paddock		
,	d or Pool (If a		Paddocl	k · ·	:
		,	•	No	
	w well drilled hat purpose was			· · · · · · · · · · · · · · · · · · ·	Production
	d give plugging				all such perforated ge plug(s)
5. Give the dep		of any over	lying and,	or underlyi	ng oil or gas zones
•	ve Glorieta				•. •

11 Company	H. L. Bati	ton "A"	
11.50	LEASE		
<del>1653</del> ' FNL & 330' FWL	5	175	37E
FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE
	1650 <del>1653</del> ' FNL & 330' FWL	1650 LEASE <del>1653</del> ' FNL & 330' FWL 5	1650 1653' FNL & 330' FWL 5 17S

#### Tubular Data

Completed 5-2-57

Cased Hole

Surface Casing

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

TOC: Surface feet determined by cale

Hole size: 12-1/4"

95/8" 2116'

Intermediate Casing

Size: Cemented with

SX

TOC:

feet determined by

Hole size:

Long String

L51/2" TO 6300'

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

TOC: -1940

feet determined by 60% calc

Hole size: 7-7/8"

Total Depth: 6300'

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.
  Above Glorieta

	medan ERATOR	Oil C	Corp.	Caylor LEASE
	LL NO.	330	Fect South of FOOTAGE LOCA	North Line 330 Feet East of West Line of St/4 Sec. 6, T17
				Tubular Data
) ; A >/25/39		<i>5</i> 585 =	13" -290' 1400 255x5 1415 3154 542 4660 5605 TD	Surface Casing  Size: _/3 " Cemented with250 SX  TOC:
				Injection Interval  feet to feet (perforated or open-hole, indicate which)
(bro	and & mod	e1)		set in aset in a packer atfeet.
(or desc Other Da	·	other	casing-tubin	g seal).
		intect	ion formation	
				cable)
3. Is t	this a ne	w well	drilled for	injection?well originally drilled?
				in any other zone(s)? List all such perforated ail (sacks of cement or bridge plug(s)

Greenhill Pe	etroleum Corporation	Lovington Paddock
OPERATOR	•	LEASE
#68	1980' FSL & 1890' FV	√L 6 17S 36E
WELL NO.	FOOTAGE LOCATION	SEC. TOWNSHIP RANGE

## Tubular Data

Completed Surface Casing 12-23-53 8-5/8" Cemented with 1475 SX Size: Converted to Injection 12-66 TOC: Surface feet determined by calc Hole size: 11" Intermediate Casing Size: Cemented with SX 85/2" TOC: feet determined by 3143' Hole size: Long String Size: 5-1/2" Cemented with 400 SX TOC: 3928 feet determined by 80% calc 6107' Hole size: 7-5/8" TO 6250' Total Depth: 6250' Injection Interval 6120 feet to 6250 (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.

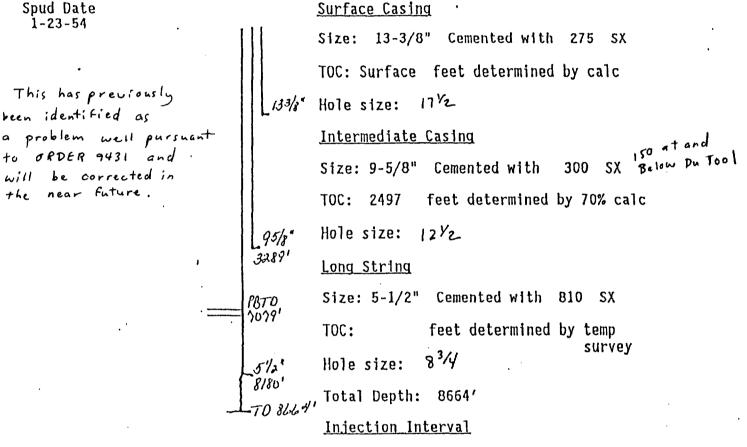
Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Above Glorieta

OPERATOR	•	LEASE
#50	1980' FSL & 660'	FWL 6 17S 37E
WELL NO.	FOOTAGE LOCA	
		Tubular Data
Completed	1111	Surface Casing
Completed 10-2-39	1.111	Size: 10-3/4 " Cemented with 200 SX
		TOC: Surface feet determined by circ
	270'	Hole size: 13-3/4"
	10 3/40	Intermediate Casing
		Size: 7-5/8 _ Cemented with _ 400 _ SX
	L 3135'	TOC: 1026 feet determined by calc
•		Hole Size: 9-7/8"
		Long String
	_ 4587 '	Size: 5-1/2 " Cemented with 175 SX
	\$ 5½"	TOC: 2611 feet determined by calc
	. }	Hole Size: 6-3/4"
	4975'	Total Depth: 4975'
	TD	Injection Interval
		4587 feet to 4975 feet (perforated or open-hole, indicate which)
Tubing size 2	-3/8" lined with	
R-3 Tension		(material) packer at 4460 feet.
(brand & mo		
Other Data	,	
	injection formation	san Andres
	ld or Pool (If appli	
3. Is this a n If no, for	ew well drilled for what purpose was the	injection? NO Production well originally drilled?
		i in any other zone(s)? List all such perforated tail (sacks of cement or bridge plug(s)
5. Give the de (pools) in		any overlying and/or underlying oil or gas zones

Greenhi	1 Petroleum (	Corporation	٠.	Lovington	Paddock	•
OPERATO	DR 2310	,		LEASE		
#67		FSL & 660′	FWL	6	175	37E
WELL NO	). F00	TAGE LOCATI	ON	SEC.	TOWNSHIP	RANGE

## Tubular Data



- 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) 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

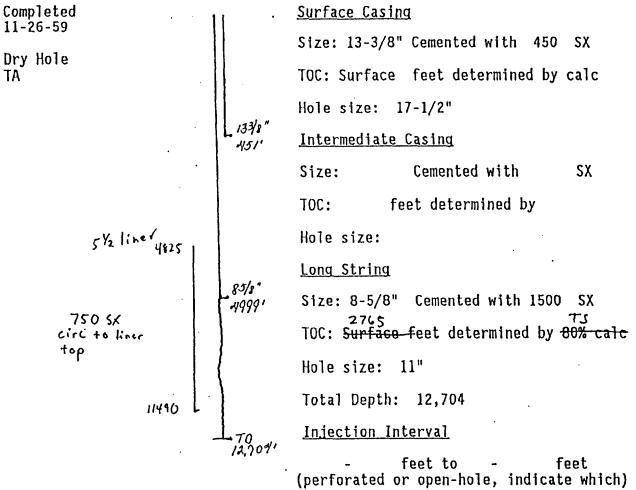
	Greenhill Petr	roleum Corporation		Lovingto	n San Andre	s	·
	OPERATOR			LEASE			
	#61	2545' FNL & 100	' FWL	6	17S	37E	
	WELL NO.	FOOTAGE LOCA	TION	SEC.	TOWNSHIP	RANGE	
	•			. Tu	bular Data		
	1				AATAT NACA		
,	oleted L5-90	1.1.1	Surfac	e Casing			
			Size:_	13-3/8 ~	Cemented	with 450	sx
			TOC: _	Surface	feet d	etermined by	circ.
			llole s	ize: 17	7-1/2"		
				ediate Cas		···	
		21 61			··· -·· <del>-</del>	1.1 000	
		L365'		•		with 800	
			TOC: _	Surface	feet d	letermined by	calc
			Hole S	Size: <u>12</u> -	-1/4"		
		1969' 85/9"	Long S	String			
		8 37 9	Size:	5-1/2	Cemented	with 940.	sx
•			TOC:	262	feet o	letermined by	calc
	•	5380'	Hole :	Size: 7	-7/8"		•
		5/2"	Total	Depth: 5	400'	•	
		154001	Injec	tion Inter	val		
		TD			feet to	-	- feet
			(perf	orated or	open-hole,	indicate whic	h) .
Tul	oing size			۸			set in a
	-	lined with	nacker	(mat	erial)	Foot	. •
	(brand & mode	1)				2660;	
(or	describe any	other casing-tubin	g seal)	•	•	•	
<u>Oth</u>	er Data						
1.	Name of the i	njection formation	·	San A	ndres		
2.	Name of Field	or Pool (If appli	cable)	Lovingto	n San Andre	S ,	
3.	Is this a new If no, for wh	well drilled for at purpose was the	injecti well o	on? No riginally	drilled? P	roduction	
4.		ever be perforated give plugging del	ail (sa		ent or brid		:forated
5.	Give the dept	h to and name of				ng oil or gas	zones
	(pools) in th	is area.	-		1		
	unaer	lying-Grayburg	•				

packer

### INJECTION WELL DATA SHEET

	Araho	,	State L	. "C"	
	OPERATOR		LEASE	ı	
•	SWD 1-I	2190' FSL & 560' FEL	1	175	36E
	WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

## Tubular Data



set in a .

(Or describe any other casing-tubing seal).

lined with -

## Other Data

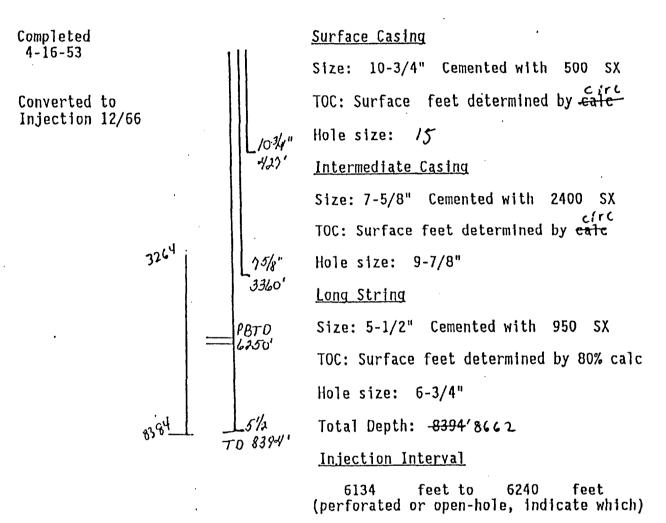
Tubing size

- Name of the injection formation:
- Name of Field or Pool (If applicable)
- Is this a new well drilled for Injection? 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 Po	etroleum Corporation		Lovington	Paddock	
-	OPERATOR			LEASE		
	#66	2080' FSL & 660' F	EL	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 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? 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

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

Above Glorieta

Greenhil OPERATOR	l Petroleum Corpora	tion	Loving LEASE	ton San Andr	es	
#49 WELL NO.	1980' FSL &		l sec.	17S TOWNSHIP	36E range	<del>.</del> .
		G E	•	ibular Data		
ompleted 7-2-39	.		e Casing	Cemented	with	sx
onverted 7-14-76		Hole s	Surface  ize: ?  nediate Cas		etermined by	circ.
	la la	_	•		with250	
	9a/3	Hole Size:	Size: ? String 7	" Cemented	with <u>259</u> ;	sx
	455 7" 1960 70	Hole : Total	Size: Depth: _ tion Inter	? 4960' val	determined by	feet
Tubing size . Baker Mod	<u>2-3/8"</u> lined wi lel AD-1	(perf	orated or IPC (mat	open-hole, :	indicate whice	
(brand & (or describe	model) any other casing-tu	<del></del>		- Marian II		
Other Data 1. Name of t	he injection format	:1on	San	Andres		
2. Name of F	ield or Pool (If ar	 pplicable)	Lovingt	ton San Andr	es	
	new well drilled in what purpose was				Production	•
intervals	ell ever be perfore and give plugging					rforated
(pools) i	depth to and name on this area. Underlying-Grayburg		clying and,	or underlyi	ng oil or ga	s zones

Greenhill Pe	troleum Corporation	<del></del>		ton San Andr	es	
OPERATOR	, •		LEASE			
#48	' 1980' FSL & 19	80' FEL	11	175	36E	
WELL NO.	FOOTAGE LÓCÁT	CION	SEC.	TOWNSHIP	RANGE	
			Tu	bular Data		
	1111	Surface .	Casing			
ompleted 5-21-39		Size: 1	3 "	Cemented	with 250	SX
					stermined by	
				17-1/4"	, , , , , , , , , , , , , , , , , , ,	
	311		ilate Cas			
	10"					CM
		,	•		with <u>250</u>	
					etermined by	calc
	3070	Hole Si	ze:	12"	<del></del>	
	95/9"	Long St	ring		,	
:		Size:	7	" Cemented	with <u>225</u>	SX.
	}4530 ' { 1''	TOC:	3119	feet d	etermined by	calc
	{	Hole Si	ze:	8-3/4"	·	·
	· <u>}</u> .49601 TD	Total D	epth: _	4960'		
·		<u>Injecti</u>	on Inter	val		
	•	453 (perfor			4960 Indicate which	h)
Tubing size2-	7/8" lined with		IPC		•	set in a
	<u>'A'</u>	acker at		erial) 6	feet.	
(brand & mode (or describe any	el) other casing-tubing	seal).				٠.
Other Data				•		
•	injection formation		San	Andras		
<i>i</i> .	i or Pool (If applic			•	ac	
		_	•		-3	
	w well drilled for in at purpose was the			drilled?	roduction	-
	ever be perforated d give plugging deta					forated .
	th to and name of ar	ny overly	ing and	or underlyi	ng oil or gas	zones
•	erlying-Grayburg	•	•			
		<del></del>	<del></del>	<del></del>		

Amerada lless	State L "A"
OPERATOR	LEASE
12	2310' FSL & 2310' FWL 1 17S 36E
WELL NO.	FOOTAGE LOCATION SEC. TOWNSHIP RANGE
	· · · · · · · · · · · · · · · · · · ·
	·
•	Tubular Data
mpleted	THE WALLE PRODU
!-23-53	Surface Casing
	Sizo: 13-3/8 ". Comented with 250 . SX
	TOC: Surface feet determined by calc
•	
	liole size: 17-1/2"
	Intermediate Casing
	298 Size: 8-5/8 " Cemented with 1500 SX
	1039 TS
	TOC: Surface feet determined by cale
	Hole Size: 11"
•	Note Size;
	Long String
	1 1 8-78
•	3150 Size: 5-1/2 " Cemented with 600 S
	TOC: 5614 feet determined by temp su
•	100, tood documented by
	Hole Size: 7-7/8"
	9//01
	syl Total Depth: 8440'
• •	Injection Interval
	8440feet tofeet
•	(perforated or open-hole, indicate which)
whine aire	lined with set in a
antile stre	(material)
	packer at feet.
(brand & mod	el)
r describe any	other casing-tubing seal).
her Data	
11.A. W.	
Name of the	injection formation
Name of Fiel	d or Pool (15 appliants) Lovington Abo
Mamo of Fiel	d or Pool (If applicable)
Is this a ne	w well drilled for injection?
	what purpose was the well originally drilled? Production
	tour tour man and display and
	ever be perforated in any other zone(s)? List all such perforated
	nd give plugging detail (sacks of cement or bridge plug(s)
used.	
	oth to and name of any overlying and/or underlying oil or gas zones
(pools) in t	this area.
A	above Drinkard

Greenhill Po	etroleum Corporation	Lovingtor	n San Andres	;
 OPERATOR	J490	LEASE		
47	1980' FNL & <del>1986'</del> FWL	. 1	175	36E
 WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

### Tubular Data

Completed Surface Casing 7-6-39 Cemented with 250 SX Size: 13" Converted to Injection TOC: Surface feet determined by calc 8-6-69 Hole size: 17-1/4" Intermediate Casing Size: 8-5/8" Cemented with 500 SX 85/8" TOC: 1572 feet determined by 50% calc 31041 Hole size: 11" Long String Size: 5-1/2" Cemented with 230 SX 51/2" 4620' TOC: 3367 feet determined by 80% calc Hole size: 7-7/8" 49441 Total Depth: 4944' Injection Interval feet to 4935 (perforated or open-hole, indicate which)

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: San Andres
- 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 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) Grayburg

Greenhill	Petroleum	Corporation		Lovington	Paddock		
OPERATOR				LEASE			-
#64	1980′	FSL & 1880'	FWL	1	178	36E	
 WELL NO.	FO	OTAGE LOCATIO	N	SEC.	TOWNSHIP	RANGE	-

## Tubular Data

Completed Surface Casing 12-18-53 Cemented with -300 SX Size: 13-3/8" Converted to Injection 12/66 TOC: Surface feet determined by calc Hole size: 17/2 Intermediate Casing 133/2" 298' Size: 8-5/8" Cemented with 1500 SX TOC: Surface feet determined by  $\frac{T}{\text{calc}}$ Hole size: // Long String 85/2" 3750 Size: 5-1/2" Cemented with 550 SX TOC: 3068 feet determined by 80% calc Hole size: 7-7/8" Total Depth: 6275' 6064' Injection Interval TO 6225' feet to 6275 (perforated or open-hole, indicate which)

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

No

packer

at 5979 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) <u>Paddock</u>
- 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

	troleum Corporation	Lovington San Andres
OPERATOR	e .	LEASE
#46	660' FWL & 1980' F	
WELL NO.	FOOTAGE LOCATI	ON SEC. TOWNSHIP RANGE
		Tubular Data
'omn1atad	· 1 1 1	Surface Casing
ompleted 12-7-41		Size: 10-3/4" " Cemented with 175 SX
<del>8A'd</del> <del>5-22-8</del> 7		roc: Surface feet determined by calc
c 512" casing 2685-	4150	dole size: 15"
1/21 ort 2400'		Intermediate Casing .
osxs, 2450-2350 vrosxs, Picplaced dow	10 3/4"	Size: 7-5/8 " Cemented with 300 SX
0 1000'-	10 74	roc: 1510 feet determined by calc
•		Hole Size: 9-7/8"
		Long String
	L3092'	Size: 5-1/2 " Cemented with 300 SX
		TOC: 1235 feet determined by calc
	7/624	Hole Size: 6-3/4"
	. \begin{align*} \beg	Total Depth: 4946'
	14946' TD	Injection Interval
		4624 feet to 4946 feet
		(perforated or open-hole, indicate which)
Tubing size 2'	lined_with	
Baker Model '/	Ŋ i pa	(material) acker at 4574 feet.
(brand & mode		
•	ounce caseing cubing	sear).
Other Data		
1. Name of the 1	njection formation	San Andres
2. Name of Field	or Pool (If applica	able) Lovington San Andres
	well drilled for in at purpose was the	njection? No Production Production
		in any other zone(s)? List all such perforated il (sacks of cement or bridge plug(s)

Underlying-Grayburg

Greenhill POPERATOR	reenhill Petroleum Corporation Lovington San Andres OPERATOR LEASE		
#58 WELL NO.	2310' FNL & 1309' FWL 31 165 FOOTAGE LOCATION SEC. TOWNSHIP	37E RANGE	
Completed	<u>Tubular Data</u> <u>Surface Casing</u>	<u>Tubular Data</u>	
5-15-41	Size: 13 " Comented	with 180 SX	
deepen 40 5070	TOC: Surface feet	•	
	L249'   Hole size: 17-1/4"		
	Intermediate Casing		
	Size: 8-5/8 " Cemented	with 400 SX	
	TOC: 860 feet	determined by <u>calc</u>	
	85/9" Hole Size: 11"		
•	Long String		
	Size: 5-1/2 " Cemented	with 200 SX	
	_4570' TOC: 3479 feet		
•	5/2"	determined by tare	
•	Hole Size: 7-7/8"		
	14990' Total Depth: 4990'	*,	
	Injection Interval	5.470	
	4570 feet to (perforated or open-hole,		
Tubing size	2- /8 lined with IPC	set in a	
	packer at 45	50 feet.	
(brand & mo	odel) ny other casing-tubing seal).		
Other Data			
	n ininghian farmahian — Can Andrea		
	a injection formation San Andres		
2. Name of Fie	eld or Pool (If applicable) <u>Lovington San Andre</u>	25	
	new well drilled for injection? No what purpose was the well originally drilled?	roduction	
	ll ever be perforated in any other zone(s)? List and give plugging detail (sacks of cement or brid		
	epth to and name of any overlying and/or underly this area.	ing oil or gas zones	
Und	derlying-Grayburg		

Greenhill.Pe	troleum Corporati	on Lovington San Andres
OPERATOR	•	LEASE
53	660 FSL & 1980	FWL 1 T17S-R36E
WELL NO.	FOOTAGE LOCA	ATION SEC. TOWNSHIP RANGE
•		Tubular Data
	·	Surface Casing
	11 1	Size: 13 Comented with 300 Si
Completed 1/39		TOC: Surface feet determined by circ.
	221	Hole size: 17 1/2
	13"	Intermediate Casing
		Size: 9 5/8 " Cemented with 500 S
	2002	TOC: 1475 feet determined by 80% ca
	L 2983'	Hole Size: 12 1/4
		Long String
	3454	Size: 5 1/2 " Cemented with 55 S
•		TOC: 4418 feet determined by 80% c
	4624 5 12 11	Hole Size: 8 3/4
	4815'	Total Depth: 4815
	TD	Injection Interval
		feet to feet
		(perforated or open-hole, indicate which)
Cubing size	lined with	(material)
		(material) packer atfeet.
(brand & mode)	1)	
L describe any	other casing-tubi	ng sear).
<u>her Data</u>		
Name of the in	njection formation	n
Name of Field	or Pool (If appl	icable) Lovington Paddock
Is this a new If no, for wh	well drilled for at purpose was th	injection? No se well originally drilled? production
llas the well intervals and	ever be perforate	d in any other zone(s)? List all such perforated tail (sacks of cement or bridge plug(s)
used.		
		any overlying and/or underlying oil or gas zones
(pools) in th	•	
overi	ying Grayburg	

OPERATOR	roleum Corporation Lovington Paddock LEASE
72 WELL NO.	660 FSL & 2080 FWL 1 T17S-R36E FOOTAGE LOCATION SEC. TOWNSHIP RANGE
•	Tubular Data
Completed 5/14/53	Surface Casing
	Size: 13 3/8 " Comented with 300 SX
	TOC: Surface feet determined by circ.
	liole size: 17 1/2
	133/3 Intermediate Casing
	Size: 8 5/8 " Cemented with 1500 SX
	3752 TOC: Surface feet determined by calc.
	Hole Size: 11
·	Long String
	Size: 5 1/2 " Comented with 500 SX
	TOC: 3864 3864 feat determined by temp_st
	51/2 llole Size: 7 7/8
·	6242 Total Depth: 6242
	Injection Interval
•	feet tofeet (perforated or open-hole, indicate which)
ıbing size	lined withset in aset in a
	packer atfeet.
(brand & model to describe any o	) ther casing-tubing seal).
ier Data	
Name of the in	jection formation
Name of Field	or Pool (If applicable) Lovington Paddock
Is this a new If no, for wha	well drilled for injection? No t purpose was the well originally drilled? production
lias the well e	ver be perforated in any other zone(s)? List all such perforated give plugging detail (sacks of cement or bridge plug(s)
Give the depth	to and name of any overlying and/or underlying oil or gas zones
(pools) in thi	
above,	e (Glorieta)

OPERATOR	xproration	.,	LEASE
1-5			530 FWL 5 T17S-R37E
WELL NO.		FOOTAGE LOCAT	TION SEC. TOWNSHIP RANGE
	• .		
		•	Tubular Data
Completed 12/61		·	Surface Casing
P&A 12/61	10 5x5	7	Size: 8 5/8 ". Comented with 175 . s.
			TOC: Surface feet determined by circ.
No inc			Hole size: 10 3/4
No info.	0 25 5×5	185/8	Intermediate Casing
e long string at was set.	360	342	Size: Cemented withS
;	25 5x5		TOC: feet determined by
	2250	٠ .	Nole Size:
	255X5 3210		Long String
			Size: Cemented with
			TOC: feet determined by
	.	•	Hole Size:
	25 5×5	- 4052	4052
	4061	TD	Total Depth:
			Injection Interval
			(perforated or open-hole, indicate which)
Tubing size		lined with	set in
	·	· · · · · · · · · · · · · · · · · · ·	(material) packer at feet.
(brand & or describe		casing-tubin	
Other Data			
	ho intent	ion formation	
		ool (If appli	Can Arilia
	. ••	•	Mo
Is this a If no, fo	r what pu	drilled for rpose was the	well originally drilled? production
4. Ilas the w	ell ever	be perforated	in any other zone(s)? List all such perforated ail (sacks of cement or bridge plug(s)
<u> </u>			
	depth to n this ar		my overlying and/or underlying oil or gas zones
. Overly	ing Graybu	rg	

_6	reen hill OPENATOR	Petroleum Corp. Louing ton Paddack LEASE
	71 WELL NO.	660 FSL < 660 FEL / T175 - R 36 E FOOTAGE LOCATION SEC. TOWNSHIP RANGE
		Tubular Data
		Size: /3 <sup>3</sup> / <sub>x</sub> Comented with 350 sx
d s	16/56	13 % TOC: <u>Surface</u> feet determined by <u>circulation</u> 358 Hole size: 17 ½
		Top of Intermediate Casing  Top of Intermediate Casing  1100 Size: 8 % " Cemented with 1450 SX  175 File  3340' TOC: Farface feet determined by cale.
•		Nole Size:  Long String
	·	Size: 5½ " Cemented with 560 SX  Sooc File  100: 5019 feet determined by 80% ccfe  1016 Size: 235 bettem
		Injection Interval
Tul	ing sizo	(perforated or open-hole, indicate which)  — lined with — set in a (material)
•	(brand &	packer atfoet,
Othe	er Data	
1.	Name of	the injection formation
2.	Namo of	Field or Pool (If applicable) Paddock
3.		a new well drilled for injection? No or what purpose was the well originally drilled? production
.4.		well ever be perforated in any other zone(s)? List all such perforated s and give plugging detail (sacks of cement or bridge plug(s)  No
5,		depth to and name of any overlying and/or underlying oil or gas zones in this area.
•		Above Glorieta

Texaco `		C. S. Caylor
OPERATOR		LEASE
<i>l</i> i	2170	2173' FFI. 6 17S 37F
WELL NO.	FOOTAGE LOCA	
•		·
•	,	Tubular Data
	111	Surface Casing
Completed 8-14-52		
0 14 32		Size: 13-3/8 ". Comented with 250 SX
Recompleted		TOG: Surface feet determined by ealc
San Andres 6-14-89	133/8	
	: 244'	Nole size: 17-1/4"
PBTD 7915		Intermediate Casing
Perf 4600-4784'	11.	
•		Size: 8-5/8 " Cemented with 1800 SX
		TOC: Surface feet determined by **Calc-
Dec 27		
Sex 5/2 = + 49812	[ ]	Holo Sizo: 12-1/4"
5044 30/15057	85/8	Long String
res 2 1 38 57	3253	Size: 5-1/2 " Cemented with 600 SX
Mey 80.	. '	or state sta
Sg 2 5/2 from 5010 to	5   ·	TOC: 4377 feet determined by 80% cal
2/195 W/5057	7915	Nole Size: 7-7/8"
	PRTD	Note 5126. 1-1/6
	5 V2	Total Depth: 8665'
, .	8200	Intestion Interval
	8665	Injection Interval
	• •	feet to feet
•	• •	(perforated or open-hole, indicate which)
Tubing size	_ lined with	set in a
	_	(material)
(brand & model)		packer atfeet.
(or describe any other	casing-tubin	g seal).
Othor Data	. · •	·
Other Data		
1. Name of the inject	ion formation	
9 Name of Plots or D	2001 (TF11	cable) Lovington Abo
2. Name of Field or P	oor (rr abbri	cante)
3. Is this a new well	drilled for	injection? No
If no, for what pu	irpose was the	well originally drilled? Production
4. Has the well ever	be perforated	i in any other zone(s)? List all such perforated
intorvals and give	plugging det	call (sacks of coment or bridge plug(s)
used.		
**************************************	•	
		any overlying and/or underlying oil or gas zones
(pools) in this ar	•	
Above Drinka	rd	

OPERATOR		LEASE		
3	660' FNL & 665' FWL	6	· 17S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE
		<u>Tubular 1</u>	<u>Data</u>	

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' Wellbore has Intermediate Casing 133/8" 8-5/8" csg. set @ 3150' & 349 327. Size: 8-5/8" Cemented with 1200 SX cmtd. w/1200 TOC: Surface feet determined by calc SXS Sidetracked Hole size: 11" 3150' Long String 305x 6./m 170 ilugyad Size: 5-1/2" Cemented with 410 SX TOC: 6057 feet determined by 80% calc

51/2" T08438'

OC: 6057 feet determined by 80% calc.

Hole size: 7-3/4"

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).

#### <u>Other Data</u>

- 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

Schematic ## \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Tipperary	0,186,00	Corp Monso	11 to 30 ST	
Schematic 4/2 8/4 p/8   Surface Casing   Surface Casing   Size 1/3/2   Comented with 405   size 1/3/2   Feet determined by C/PC   Hole size 1/1/2   Hole siz					
Surface Casing  Size 13 78 "Cemented with 405 et  TOC Surface feet determined by C.r.c.  Hole size 17 7c.  Intermediate Caning  Size 858 "Cemented with 1575 TOC Surface feet determined by C.r.c.  Hole size 1/2 "Cemented with 1575 TOC Surface feet determined by C.r.c.  Hole size 1/2 "Cemented with 1450 size 4/2 "Cemented with 1450 size 1/2 "Toc 4350 feet determined by file Hole size 7/8 Total depth 11350  Injection intervol  Injection intervol  Feet 10 (perforated or open-hole, indicate which) feet  882c  882c  While size 1/2 "Cemented with 1450 size 1/2 "Total depth 11350 size 1/2 "Total	WELL NO. FOOTAG	E LOCATION	SECTION	TÖÜNSITE	RANGE
Size 13 % Cemented with 405 on 100 Surface. Feet determined by C/rc Hole size 17 % Cemented with 1575 on 100 Surface Feet determined by C/rc Hole size 17 % Cemented with 1575 on 100 Surface Feet determined by C/rc Hole size 17 work Hole size 18 w	Schematic	4h 8 5/8 13		abular Data	
Using sizelined with			Surface Casing	" Campatad wit	h 405 au
Using sizelined with			TOC Surface	feet determined by	
Using sizelined with			Hole size 17/2		
ubing sizelined with			Intermediate Casing		*
while size		40.	Size <u>8 78</u>		
Long string   Size 4/1/2   Cemented with 1/450   File					CIrc
size 4/2 "Cemented with 1450 of 4350 feet determined by 1/2 file size 7/8  Total depth 1/350  Injection interval feet to (perforated or open-hole, indicate which)  **SEC**  **District of the injection formation feet of the injection formation in some of field or Pool (if applicable)  Is this a new well drilled for injection? 7 Yes 7 No  If no, for what purpose was the well ariginally drilled?  **Has the well ever been perforated in any other zone(s)? List all such perforated interval and give plugging detail (sacks of cement or bridge plug(s) used)  **Cive the depth to and name of any overlying and/or underlying oil or gas zones (pools) in the country of the			Hole size //		
Hole size 7%  Total depth					. 144571
Hole size 7%  Total depth			100 43,50	Teet determined by	4:1/2
Injection interval  feet to  (perforated or open-hole, indicate which)    SSSCC		4215	Hole size 7 1/8	Total decermined by	777,5
Section   Sect					
ubing sizelined with			Injection interval		
ubing sizelined with			feet (	to	feet .
ubing sizelined with		8826	(periorated of open-in	indicate waten	,
ubing sizelined with		5			
ubing sizelined with		>			
ubing sizelined with		}			
ubing sizelined with		7 11257			
(brand and model) or describe any other casing-tubing seal).  ther Data  Name of the injection formation  Name of Field or Pool (if applicable)  Is this a new well drilled for injection? / Yes / No  If no, for what purpose was the well originally drilled?  Has the well ever been perforated in any other zone(s)? List all such perforated interval and give plugging detail (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		10 11300			
(brand and model) or describe any other casing-tubing seal).  ther Data  Name of the injection formation  Name of Field or Pool (if applicable)  Is this a new well drilled for injection? / Yes / No  If no, for what purpose was the well originally drilled?  Has the well ever been perforated in any other zone(s)? List all such perforated interval and give plugging detail (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					
(brand and model) or describe any other casing-tubing seal).  ther Data  Name of the injection formation  Name of Field or Pool (if applicable)  Is this a new well drilled for injection? / Yes / No  If no, for what purpose was the well originally drilled?  Has the well ever been perforated in any other zone(s)? List all such perforated interval and give plugging detail (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					
(brand and model) or describe any other casing-tubing seal).  ther Data  Name of the injection formation  Name of Field or Pool (if applicable)  Is this a new well drilled for injection? / Yes / No  If no, for what purpose was the well originally drilled?  Has the well ever been perforated in any other zone(s)? List all such perforated interval and give plugging detail (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					
(brand and model) or describe any other casing-tubing seal).  ther Data  Name of the injection formation  Name of Field or Pool (if applicable)  Is this a new well drilled for injection? / Yes / No  If no, for what purpose was the well originally drilled?  Has the well ever been perforated in any other zone(s)? List all such perforated interval and give plugging detail (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					
(brand and model) or describe any other casing-tubing seal).  ther Data  Name of the injection formation  Name of Field or Pool (if applicable)  Is this a new well drilled for injection? / Yes / No  If no, for what purpose was the well originally drilled?  Has the well ever been perforated in any other zone(s)? List all such perforated interval and give plugging detail (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					
(brand and model) or describe any other casing-tubing seal).  ther Data  Name of the injection formation  Name of Field or Pool (if applicable)  Is this a new well drilled for injection? / Yes / No  If no, for what purpose was the well originally drilled?  Has the well ever been perforated in any other zone(s)? List all such perforated interval and give plugging detail (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	ubing size	line	ed with (mate	erial)	set in a
ther Data  Name of the injection formation  Name of Field or Pool (if applicable)  Is this a new well drilled for injection? / Yes / No  If no, for what purpose was the well originally drilled?  Has the well ever been perforated in any other zone(s)? List all such perforated interval and give plugging detail (sacks of cement or bridge plug(s) used)					
Name of the injection formation  Name of Field or Pool (if applicable)  Is this a new well drilled for injection? / Yes / No  If no, for what purpose was the well originally drilled?  Has the well ever been perforated in any other zone(s)? List all such perforated interval and give plugging detail (sacks of cement or bridge plug(s) used)  Cive the depth to and name of any overlying and/or underlying oil or gas zones (pools) in			ng seal).		
Name of Field or Pool (if applicable)  Is this a new well drilled for injection? / Yes / No  If no, for what purpose was the well originally drilled?  Has the well ever been perforated in any other zone(s)? List all such perforated interval and give plugging detail (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	Other Data				
Is this a new well drilled for injection? / Yes / No  If no, for what purpose was the well originally drilled?  Has the well ever been perforated in any other zone(s)? List all such perforated interval and give plugging detail (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	l. Name of the inje	ection formation	1		
If no, for what purpose was the well originally drilled?  Has the well ever been perforated in any other zone(s)? List all such perforated interval and give plugging detail (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	Name of Field or	Pool (if appl:	icable)		-
Has the well ever been perforated in any other zone(s)? List all such perforated interval and give plugging detail (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			_	<del></del>	
and give plugging detail (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	If no, for what	purpose was the	e well originally drilled	d?	
	Has the well eve and give pluggin	er been perfora ng detail (sack	s of cement or bridge pl	? List all such pe ug(s) used)	rforated interval
CHILD GICCI					zones (pools) in
	tura area.				

Greenhill Pe	troleum Corporatio		Lovingto LEASE	on San Andı	res Unit	*
#7 WELL NO.	1980 FNL & 198		31 SEC.	T16S TOWNSHIP	R37E RANGE	
HDDD 110.	TOOTHON LOOK			ZORNOMIZ	MAIOD	
			Tubi	ilar Data		
1	11	Surface Car	sing			
		Size: 8	5/8 ".	Cemented	1th	485 sx
		TOC: Su	rface	feet de	termined	by <u>calc.</u>
		llole size:	1	0 1/4		
	2043'	Intermedia	te Casi	1 <b>g</b>		
Completed 1/5/49	2045			_	vith	sx
deepen to gosse		TOC:		feet de	stermined	by <u></u>
4990	•	Hole Size:	***************************************	•		,
	5½	Long Strin	g		•	
	4620'	Size: 5	1/2 "	Cemented v	vith	375 SX
	<sup>L</sup> 7D 4955'	TOC:17	11	feet de	termined	<b>by</b> <u>80% calc</u>
	•	Hole Size:	•	711/4		•
		Total Dept		•		
		Injection	•			
		4120 (perforate		feet to	ndicate wh	
Tubing size2	1 lined with		IPC			_ set in a
	· 1	oacker at	(mater 4530	ial) ·	feet	•
(brand & model (or describe any o	,					
Other Data				•		
1	jection formation	Sa	n Andre	S	······································	
2. Name of Field	or Pool (If applic	cable) Lo	vington	San Andre	S	
	well drilled for i			illed? <u>P</u>	roduction	
	ver be perforated give plugging deta					erforated
5. Give the depth (pools) in thi	to and name of ar	ny overlying	and/or	underlying	g oil or g	as zones
lindanis	ving - Gravburg	•		•	. •	

Greenhill OPERATOR		Corporation	LEASE Lovington San Andres	
		-		
WELL NO.		50' FSL & 16 FOOTAGE LOCA		
			·	
		•	<u>Tubular Data</u>	
		111	Surface Casing	
pleted 1-39			Size: 13 " Cemented with 200	s:
pened			TOC: Surface feet determined by C	alc
23-86			Hole size: 17-1/4"	
•			Intermediate Casing	
			Size: 9-5/8 " Cemented with 400	S
		2951	TOC: 1818 feet determined by Ca	
			Hole Size: 12"	<del></del>
			Long String	_
	•		Size: 7 " Cemented with 200	
	•	2998'	TOC: 3840 feet determined by C	alc
		95/8"	Hole Size: 8-3/4"	
	•	:	Total Depth: 5110'	
		4531'	Injection Interval	
		49721	4531 feet to 5110	feet
	2 2/01	1 5110'	(perforated or open-hole, indicate which)	
Tubing size	•	lined with	(material)	in a
(brand & r	<u>waterflood</u> nodel)	d tension	packer at 45/0 feet.	
or describe a	any other c	asing-tubing	g seal).	
ther Data				
. Name of th	ne injectio	n formation	San Andres	<del></del>
. Name of Fi	ield or Poo	1 (If appli	cable) Lovington San Andres	
. Is this a If no, for	new well d r what purp	rilled for a	injection? No well originally drilled? Production	<del></del>
			in any other zone(s)? List all such perforal ail (sacks of cement or bridge plug(s)	rated
	depth to an		ny overlying and/or underlying oil or gas z	ones
Hn	derlving_G	nauhung		

Greenhill Petro OPERATOR	leum Corporation	n Lovi LEAS	ngton San Andı	res Unit	
	660 FNL & 330 FOOTAGE LOCA	FEL 31	T-16S	R37E RANGE	Productive of the second
			Tubular Data		•
		Surface Casing			
		Size: $8^{5/8}$	Cemented	with <u>450</u>	sx
		TOC: Surface	e feet d	etermined by	calc
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Nole size:	10 1/4		
	2050	Intermediate C	asing		
		Size:	Cemented	with	sx
Completed 9/17/46		TOC:	feet d	etermined by	
deepen to	· .	Hole Size:	•		
5090	,	Long String		•	
		Size: 5 1/2	Cemented	with 400	sx
•	4623'	TOC: 1832	feet d	etermined by	80% calc
•	5V2"	Hole Size:	7 1/4		•
· .	TD 4935	Total Depth:	49351	,	
	•	Injection Inte			
		4623 (perforated or	feet to		feet.
Tubing size	lined with		PC		et in a
(brand & model) (or describe any other	•	acker at	terial) % o 3	feet.	
Other Data	. • •			•	
1. Name of the inject	tion formation		San Andres	<del></del>	
2. Name of Field or	Pool (If applic	able)	Lovington Sa	an Andres	
3. Is this a new well If no, for what p				. Produc	tion
4. Has the well ever intervals and givused.	re plugging deta				orated
5. Give the depth to (pools) in this s		y overlying and	l/or underlyin	g oil or gas	zones
Un	derlying - Grayl	ourg			

#31 660' FNL & 1980' FWL 1 175 36E    WELL NO.   FOOTAGE LOCATION   SEC.   TOWNSHIP   RANGE
Tubular Data  Completed 12-22-39 Deepened 6-20-87  Toc: Surface Casing Size: 13 " Cemented with 200 s Toc: Surface feet determined by circ Hole size: 17-1/4"    13"
Surface Casing    Size: 13
Deepened 6-20-87  Size: 13
Size: 13
TOC: Surface feet determined by circ  Hole size:
L24 '   13"   Intermediate Casing   Size: 8-5/8 " Gemented with 500   S
Size: 8-5/8 " Cemented with 500 S  TOC: 2021 feet determined by Calc    3/09'   Hole Size: 11"
Size: 8-5/8 " Cemented with 500 S  TOC: 2021 feet determined by calc  3109 Hole Size: 11"  Long String  Size: 5-1/2 " Cemented with 325 S  4541 TOC: 2890 feet determined by calc  5'/2" Hole Size: 7-7/8"  44(60' Total Depth: 5125  TO Injection Interval  (perforated or open-hole, indicate which)  Tubing size 2-3/8" lined with IPC set in a content of the set in a con
John String   Size: 5-1/2
Long String  Size: 5-1/2 " Cemented with 325 S  4541 TOC: 2890 feet determined by calc  S'/2" Hole Size: 7-7/8"  44460' Total Depth: 5125  Injection Interval  Size: 5-1/2 " Cemented with 325 S  Injection Interval  Fig. 10 Feet to 5125 feet  (perforated or open-hole, indicate which)  Tubing size 2-3/8" lined with IPC set in a (material)  (brand & model)  (brand & model)  (or describe any other casing-tubing seal).
Long String  Size: 5-1/2 " Cemented with 325 S  4541 TOC: 2890 feet determined by calc  51/2" Hole Size: 7-7/8"  44(60' Total Depth: 5125  Injection Interval  (perforated or open-hole, indicate which)  Tubing size 2-3/8" lined with IPC set in a (material)  (brand & model)  (brand & model)  (or describe any other casing-tubing seal).
Size: 5-1/2 " Cemented with 325 s    4541
Hole Size: 7-7/8"  4460' Total Depth: 5125  Injection Interval  \$\frac{5\lambda}{7D}\$ \frac{4541}{(perforated or open-hole, indicate which)} feet  Tubing size \frac{2-3/8"}{1000} lined with \frac{IPC}{(material)} set in a \frac{(material)}{(brand & model)} feet.  (or describe any other casing-tubing seal).
Hole Size: 7-7/8"  4460' Total Depth: 5125  Injection Interval  S125' 4541 feet to 5125 feet  (perforated or open-hole, indicate which)  Tubing size 2-3/8" lined with IPC set in a (material)  water flood tension packer at 4499 feet.  (brand & model) (or describe any other casing-tubing seal).
Tubing size 2-3/8" lined with IPC set in a (material)  water flood tension packer at 4499 feet.  (brand & model)  (or describe any other casing-tubing seal).
Injection Interval    SIDS   4541   feet to 5125   feet
Tubing size 2-3/8" lined with IPC set in a (material)  water flood tension packer at 4499 feet.  (brand & model)  (or describe any other casing-tubing seal).
(perforated or open-hole, indicate which)  Tubing size 2-3/8" lined with IPC set in a (material)  water flood tension packer at 4499 feet.  (brand & model)  (or describe any other casing-tubing seal).
(material)  water flood tension packer at 4499 feet.  (brand & model)  (or describe any other casing-tubing seal).
water flood tension packer at 4499 feet.  (brand & model)  (or describe any other casing-tubing seal).
(brand & model) (or describe any other casing-tubing seal).
<u>Octier_baca</u>
1. Name of the injection formation San Andres
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 (pools) in this area.
Underlying-Grayburg

	etroleum Corporation		iton San Andr	'es	
OPERATOR	·	LEASE			
#37 WELL NO.	330' FNL & 990' FE FOOTAGE LOCAT		17S TOWNSHIP		***************************************
		T	ubular Data		
Completed	1 1 1	Surface Casing	•		
7-24-46		Size: 13	" Cemented	with <u>20</u>	sx
	20'	TOC: Surface	feet d	etermined by _	circ
	13"	Hole size:	15"		
		Intermediate Ca	sing		
		Size: 7-5/8	" Cemented	with500	sx
Deepen to 5030		TOC: Surface	feet d	etermined by <u>(</u>	calc
•		Hole Size:	9-3/4"		
		Long String			
	2015 1 75/8"	Size: 5-1/2	" Cemented	with <u>290</u>	sx
•		TOC: Surface	feet d	etermined by _	calc
·		Hole Size:	6-1/4"	-	•
		Total Depth:	4943'		
	1560' 51/2"	Injection Inter			
	1943 TD	4560 (perforated or	feet to open-hole, i		feet
Tubing size 23	/y lined with	_	— IPC	se	et in a
		(mat	erial)		
(brand & mode		acker at <u>45</u>	10	reec.	
(or describe any	other casing-tubing	seal).			
Other Data	•				
1. Name of the	injection formation	San And	lies -		
2. Name of Field	d or Pool (If applic	able) Lovingto	on San Andres	5	
3. Is this a new If no, for what	w well drilled for in hat purpose was the	njection? No well originally	drilled? Pr	roduction	
	ever be perforated d give plugging deta				rated
5. Give the dept (pools) in the	th to and name of an	y overlying and/	or underlyin	g oil or gas z	cones
	rlvina-Gravbura				

OPERATOR	oleum Corporation	LEASE	on San Andre	we VIII.	1
#40	1980 FNL & 660 FEL	1		R36E	·
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE	•
	•				•
					<del></del>
	· "	Tubi	lar Data	•	
•	Surfac	o Casing			
	Size:_	<u>13 · "</u>	Comented wi	.th	100 sx
	TOC; _	Surface	feet det	ermined	<b>by</b> circulati
	llole s	ize:	17 1/4"		•
	1 1	ediate Casi			
	13"		•		
ompleted	Size:_	<u>8 5/8</u> "	Cemented wi	Lth <sub>.</sub>	600 sx
12/4/39	TOC: _	1050	feet det	termined	by calc so
	Hole S	ize:	11"		
	Long S	tring '			
•	1				222
	85/g" Size:	5 1/2"	Cemented w	Lth	300 sx
•	TOC: _	3680	feet de	termined	by calc 80
·	Hole S	ize:	7 7/8"	•	
	1	Depth:	•		
	\[5\frac{1}{2}\]"	. •		<del></del>	•
	I IIachi .	ion Interva	•		• • •
	· TD 45	19		4950	foot
	(perio	rated or op	en-nole, in	dicate W	nich)
Tubing size	lined withIPC	(mater	<u></u>	· · · · · · · · · · · · · · · · · · ·	set in a
	packer s	(mater	•	fee	t.
(brand & model)	er casing-tubing seal).	•			
•	or casting canting boar,		•		
ther Data	·				
. Name of the inje	ction formation	San A	ndres		•
. Name of Field or	Pool (If applicable)	Lovina	ton San And	res	<i>:</i>
•					
	11 drilled for injection purpose was the well or			<u>Producti</u>	on
	r be perforated in any		,	11 guah	narforated
intervals and gi	yo plugging detail (sac				
used.		•		•	•
		1	,	»	
<ul> <li>Give the depth t (pools) in this</li> </ul>	o and name of any overlarea.	.ying and/or	underlying	oil or	gas zones
	•				

Greenhill Pet OPERATOR	roleum Corporation	Lovin LEASE	gton San Andı	res Unit	
#43 WELL NO.	1980 FNL & 660 FOOTAGE LOCAT	FWL 1	T17S TOWNSHIP	R36E RANGE	***************************************
<del></del>	····	T	ubular Data		
		Surface Casing			
	1 1:5	Size: 13 '	" Cemented v	ith 200	sx
,		TOC: Surface	feet de	termined by ci	<u>rculați</u>
		Nole size:	17 1/2		
	1 11/3"	Intermediate Ca			
		Size: 8 5/8		vith 600	SX.
Completed 6/19/41	1 1.1	TOC: 199			
Repen to 5030'		Hole Size:			
	888	Long String		,	
	$\Pi$	Size: 5 1/2	″ Comented :	41th 350	SX
	<b>!</b> {} .	TOC: 2679		<u> </u>	
•	5/2"		•	cermined by	•
	}	Hole Size:			,
	}	Total Depth: _	4990'	·	
		Injection Inter	val.	•	
		4546 (perforated or	feet to open-hole, in		
Tubing size	$\frac{2^{3}/8}{2}$ lined with _		TPC		t in a
	ps	cker at	erial)	feet.	
(brand & model) (or describe any ot		seal).			
Other Data	•		•		
1. Name of the inj	ection formation _	ند. د		-	
	r Pool (If applica		4.	ndres	<del></del>
•	·	•	•	,	
	ell drilled for ir purpose was the w			Production	1
	er be perforated i ive plugging detai		ent or bridge		rated
	to and name of any	•	•	g oil or gas z	ones
(pools) in this					
linderly	ina - Gravbura		•		

TOC: 3266 feet determined by 70% called to 5144'    Total Depth: 5144'   10   10   10   10   10   10   10   1	Groonhill	Dotnoloum Connonati	m · le	ovinaton S	an Androe IIn	· ·	
Tubular Data    Surface Casing   Size:	OPERATOR	recroteum corporació	L	EASE	all Allures on	1.6	
Tubular Data    Surface Casing   Size:	#57		FWI '	т. 36 т	165 R3	6F	
Surface Casing  Size: 13 " Comented with							. I .
Surface Casing  Size: 13 " Comented with							, ,
Size: 13 " Cemented with 200 SX  TOC: Surface feet determined by circulat licit size: 17"  368' Intermediate Gasing 13" Size: 9 5/8" Cemented with 200 SX  TOC: 1509 feet determined by 70% calc licit size: 12 1/4 "  11/86  100 Size: 9 5/8" Cemented with 250 SX  TOC: 3266 feet determined by 70% calc licit size: 8 3/4"  TOC: 3266 feet determined by 70% calc licit size: 8 3/4"  TOC: 3266 feet determined by 70% calc licit size: 8 3/4"  TOC: 3266 feet determined by 70% calc licit size: 8 3/4"  TOC: 3266 feet determined by 70% calc licit size: 8 3/4"  TOC: 3266 feet determined by 70% calc licit size: 8 3/4"  TOC: 3266 feet determined by 70% calc licit size: 8 3/4"  TOC: 3266 feet determined by 70% calc licit size: 8 3/4"  TOC: 3266 feet determined by 70% calc licit size: 8 3/4"  TOC: 3266 feet determined by 70% calc licit size: 8 3/4"  TOC: 3266 feet determined by 70% calc licit size: 8 3/4"  TOC: 3266 feet determined by 70% calc licit size: 8 3/4"  TOC: 3266 feet determined by 70% calc licit size: 8 3/4"  TOC: 3266 feet determined by 70% calc licit size: 8 3/4"  TOC: 3266 feet determined by 70% calc licit size: 8 3/4"  TOC: 3266 feet determined by 70% calc licit size: 8 3/4"  TOC: 3266 feet determined by 70% calc licit size: 8 3/4"  TOC: 3266 feet determined by 70% calc licit size: 8 3/4"  TOC: 3266 feet determined by 70% calc licit size: 9 5 8 3/4"  TOC: 3266 feet determined by 70% calc licit size: 9 5 8 3/4"  TOC: 3266 feet determined by 70% calc licit size: 9 5 8 3/4"  TOC: 3266 feet determined by 70% calc licit size: 9 5 8 3/4"  TOC: 3266 feet determined by 70% calc licit size: 9 5 8 3/4"  TOC: 3266 feet determined by 70% calc licit size: 9 5 8 3/4"  TOC: 3266 feet determined by 70% calc licit size: 9 5 8 3/4"  TOC: 3266 feet determined by 70% calc licit size: 9 5 8 3/4"  TOC: 3266 feet determined by 70% calc licit size: 9 5 8 3/4"  TOC: 3266 feet determined by 70% calc licit size: 9 5 8 3/4"  TOC: 3266 feet determined by 70% calc licit size: 9 5 8 3/4"  TOC: 3266 feet determined by 70% calc licit size: 9 5 8 3/4				Tubula:	: Data		
Completed 8/25/39  Deepened 5144' 11/86    Completed 8/25/39   Intermediate Casine   Size: 9 5/8"   Comented with 200   SX		1 1 1 1	Surface Cas	ing	,		
Hole size: 17"   Sos   Intermediate Casing   Size: 9 5/8" Comented with 200 SX   Too: 1509   feet determined by 70% calc   Size: 12 1/4 "   Size: 12 1/4 "   Size: 7 " Comented with 250 SX   Too: 3266   feet determined by 70% calc   Size: 7 " Comented with 250 SX   Too: 3266   feet determined by 70% calc   Size: 7 " Comented with 250 SX   Too: 3266   feet determined by 70% calc   Size: 8 3/4"   Total Depth: 5144'   Injection Interval   Size: 8 3/4"   Total Depth: 5144'   Size: 8 3/4"   Size: 6 Size: 7   Sect in a   Size: 8 Size: 7   Size: 8 Size: 7   Sect in a   Size: 8 Size: 7   Sect in a   Size: 8 Size: 7   Size: 8 Size: 9 Size: 7   Size: 12 Size			Size: 13	Cen	nented with _	200	sx
Completed 8/25/39  Deepened 5144' 11/86  Deepened 5144' 12/4 "  Deepened 5144' 11/4 " 11/4 " 11/4 " 120/4 " 10/40			TOC: Sui	rface	feet determi	ned by cir	culati
Size: 9 5/8" Comented with 200 SX TOC: 1509 feet determined by 70% calc liole Size: 12 1/4 "  11/86    10	•		liole size:	17	11		
Size: 9 5/8 Cemented with 200 SX  TOC: 1509 feet determined by 70% calc    liole Size: 12 1/4 "		1 1 1	Intermediat	o Casing	•	•	
R/25/39    TOC:   1509   feet determined by 70% calc	Completed	13"	Size: 9	5/8 " Cer	mented with	200	sx
Deepened 5144' 11/86    Italian   It					•		
Size:   12 1/4   11/86	Deepened			•		.nou by <u>tok</u>	, care
Size: 7 " Cemented with 250 SX  TOG: 3266 feet determined by 70% call  Hole Size: 8 3/4"  Total Depth: 5144'  Injection Interval  4640 feet to 5144'  (perforated or open-hole, indicate which)  Tubing size 2% lined with (material)  (brand & model)  or describe any other casing-tubing seal).  ther Data  Name of the injection formation San Andres  Name of Field or Pool (If applicable) Lovington San Andres  Is this a new well drilled for injection? No  If no, for what purpose was the well originally drilled? Production  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	5144'		Hole Size:	12	1/4 "		
Size: / "Cemented with 250 SX  TOC: 3266 feet determined by 70% call    Hole Size: 8 3/4"	11/00		Long String	, ,	,	•	•
Hole Size: 8 3/4"		95/8"	Size: 7		mented with	250	sx
Total Depth: 5144'    1990   Injection Interval   1990   feet to 1994   feet to 1			TOC: 3	266	feet determi	Ined by 770	)% calc
Tubing size 2% lined with 1PC set in a waterflood tension packer at 4620 feet.  (brand & model) or describe any other casing-tubing seal).  ther Data  Name of the injection formation San Andres  Name of Field or Pool (If applicable) Lovington San Andres  Is this a new well drilled for injection? No If no, for what purpose was the well originally drilled? Production  Illusthe 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.	· :		Hole Size:	8	3/4"		
Injection interval    10	1	14640 7''	Total Depth	i: <u>5</u>	144'		
Tubing size 2% lined with			Injection	Interval			•
(material)  (brand & model)  or describe any other casing-tubing seal).  ther Data  Name of the injection formation San Andres  Name of Field or Pool (If applicable) Lovington San Andres  Is this a new well drilled for injection? No  If no, for what purpose was the well originally drilled? Production  lias 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							feet
(brand & model) or describe any other casing-tubing seal).  ther Data  Name of the injection formation San Andres  Name of Field or Pool (If applicable) Lovington San Andres  Is this a new well drilled for injection? No If no, for what purpose was the well originally drilled? Production  lias 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	Tubing size	2 1/8 lined with				set	in a
(brand & model) or describe any other casing-tubing seal).  ther Data  Name of the injection formation	waterflood	tension	nakar nt			foot	
Name of the injection formation San Andres  Name of Field or Pool (If applicable) Lovington San Andres  Is this a new well drilled for injection? No If no, for what purpose was the well originally drilled? Production  No No No No No No No No No	(brand & mod	<b>el</b> )		7820	<del></del>		
Name of the injection formation San Andres  Name of Field or Pool (If applicable) Lovington San Andres  Is this a new well drilled for injection? No If no, for what purpose was the well originally drilled? Production  Name of Field or Pool (If applicable) Production  Is this a new well drilled for injection? No  If no, for what purpose was the well originally drilled? Production  It is 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	or describe any	other casing-tubing	; seal).	•			
Name of Field or Pool (If applicable)  Lovington San Andres  Is this a new well drilled for injection?  No  If no, for what purpose was the well originally drilled?  Production  Name of Field or Pool (If applicable)  No  Production  Production  Production  Production  It is 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	ther Data	•	•	•			
Is this a new well drilled for injection?  If no, for what purpose was the well originally drilled?  Production  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	. Name of the	injection formation		San And	res		
If no, for what purpose was the well originally drilled? Production  . 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	. Name of Fiel	d or Pool (If appli	able)	Lovingt	on San Andre	<u>;</u>	
intervals and give plugging detail (sacks of cement or bridge plug(s) used. No	. Is this a ne If no, for w	w well drilled for hat purpose was the	injection? well origin	No ally drill	.ed?Pr	oduction	
Cive the death to and name of any everything and/or underlying oil or are name	. Ilas the well intervals an used.	vever be perforated	in any other	r zone(s)?	List all s	uch perfor	ated
	Give the dep	th to and		and the arr			

	OPERATOR	etroleum Corporation	LOVI		· S	
	#58	2310' FNL & 1309'	FWL 3	1 16\$	37E	
	WELL NO.	FOOTAGE LOCA			RANGE	
				Tubular Data		
mplet	ted		Surface Casir			
-15-4		1111			with <u>180</u>	e.
<b>.</b>	to 5070		Size: 13		etermined by ci	S
epen	70 3070	2991			stermined by C	110
		13"	Hole size: _		<del></del>	
			Intermediate	<del>-</del>		
				Cemented		S
		2085			etermined by	<u>calc</u>
		85/8"	Hole Size:	11"		
			Long String			
			Size: 5-1/2	Cemented	with	S
		L 4570 ' 5/2"	TOC: 3479	feet d	etermined by	alc
		}.	Hole Size:	7-7/8"	<del></del> .	
		14990'	Total Depth:	4990'		٠,
			Injection In	terval		
			4570 (perforated	feet to or open-hole, i		feet
Tubi	ng size	2- /8 lined with		IPC	set	: in a
		· · · · · · · · · · · · · · · · · · ·	acker at	naterial) 455	Ofeet.	
	brand & modescribe an		<del></del>			
	<u>Data</u>	·	,,	•		
		injection formation	Car	n Andros		
		-				
		ld or Pool (If applie			······································	·
		ew well drilled for : what purpose was the			oduction	· · · · · · · · · · · · · · · · · · ·
i		l ever be perforated nd give plugging deta	_	- ·	-	ated
	ive the depools) in	pth to and name of an	ny overlying a	nd/or underlyin	g oil or gas zo	nes
,	E/					

GREENHII	LL PETROLEUM CORPORATION Lovington San Andres	
OPERATOR		
53	660 FSL & 1980 FWL 1 T17S-R36E	
WELL NO.		
ar	Tubular Data	
•	Surface Casing	
de la prime e disperso.	Size: 13" " Cemented with 300	sx
Harrison - 4 man	TOC: surface feet determined by ca	ılc.
i i i i i i i	281' liole size: 17 1/2"	
and (Australia)	Intermediate Casing	
	Size: 9 5/8" " Cemented with 500	sx
	Too: 1743 feet determined by	<u>60% c</u> alc
1	Hole Size: 12 1/4"	
į	Long String	
	Size: 7 5/8" Cemented with 50	sx
_	TOC: 3147 feet determined by 60	l% calc.
ζ	Hole Size: 8 3/4"	
<u>{</u>	Total Depth: 5000'  Injection Interval	
	Injection Interval	
	feet to fe	et
	(perforated or open-hole, indicate which)	
Tubing size		n a
	(material) packer at feet.	
(brand & mo		
(or describe an	y other casing-cubing sealy.	
Other Data		
1. Name of the	injection formation	
2. Name of Fie	ald or Pool (If applicable) Lovington Grayburg San Andres	
	new well drilled for injection? $No$ what purpose was the well originally drilled? $P^{rod}$ .	
	l ever be perforated in any other zone(s)? List all such perforationd give plugging detail (sacks of cement or bridge plug(s)	ed
5. Give the de (pools) in	pth to and name of any overlying and/or underlying oil or gas zone:	s

underlying-Grayburg

GREENHILL PETROLEUM CORF	PORATION Lovington San Andres
OPERATOR	LEASE
62 1185 FNL & 152 FEL	2 T 17S- R 36E
WELL NO. FOOT	TAGE LOCATION SEC. TOWNSHIP RANGE
	Tubular Data
	Surface Casing
	Size: 8 5/8" " Comented with 275 SX
	TOC: surface feet determined by circ.
	llole size: 12 1/4"
	Intermediate Casing
	Size: Cemented withSX
25	TOC: feet determined by
(9.2	Hole Size:
	Long String
	Size: 5 1/2" Cemented with 2050 SX
<b>₩</b>	TOC: surface feet determined by circ.
2 500e' 2 500e' 3 510e'	Hole Size: 7 7/8"
	Total Depth: 5120'
	Injection Interval
	feet to feet (perforated or open-hole, indicate which)
Tubing size line	ed with set in a
	ed with set in a feet.
(brand & model) (or describe any other casin	
Other Data	
1. Name of the injection for	ormation
	If applicable)Lovington Grayburg San Andres
3. Is this a new well drill If no, for what purpose	was the well originally drilled? production
	rforated in any other zone(s)? List all such perforated ging detail (sacks of cement or bridge plug(s)
5. Give the depth to and na (pools) in this area.	ame of any overlying and/or underlying oil or gas zones

	GREENH	ILL P	ETROLEUM CORPORATION	Lovington San Andres				
	OPER/	TOR		L				
	63	100	FSL & 115 FWL	-3	16	Т 1	6S-R36E	
	WELL	NO.	FOOTAGE LOC	CATION S	EC.	TOWNSHIP	RANGE	
					Tub	ular Data		
				Surface Cas	ing			
				Size: 8 5/	/8 <sup>11</sup> ~.	Cemented	with2	275 sx
				TOC: surf	ace	feet d	etermined l	y circ.
				Nole size:	12	2 1/4"	····	
			151c	Intermediat	e Casi	ng		
			5-18° 3-35°	Size:		Cemented	with	sx
	10			TOC:		feet d	etermined l	ру
				Hole Size:				
				Long String				
		appeal (approprientable):		<b>Size:</b> 5 1	L/2 <sup>11</sup> "	Cemented	with1379	sx
				TOC: sur	face	feet d	etermined b	y circ.
			2 12 1	Hole Size:		7 7/8"		
				Total Depth	:5	120'		
				Injection I	nterva	1		
				(perforated	or op	feet to		feet
Tul	bing siz	e	lined with					set in a
			lined with	nacker at	(mater	ial)	foot	-
	(brand		del)				1860	
•		e an	y other casing-tubin	g sear).				
<u>Oth</u>	er Data							
1.			injection formation		<del> </del>			
2.	Name of	Fie	ld or Pool (If appli	cable) Lov	ringtor	n Grayburg	San Andres	
3.			ew well drilled for what purpose was the	-		10 111ed?	produc	ction
4,			l ever be perforated nd give plugging det					rforated
5.			oth to and name of a	ny overlying a	and/or	underlyin	g oil or ga	s zones

GREENHILL PETROLE	UM CORPORATION		Lovington S	an Andres		
OPERATOR		LEASE				
64	80 FNL & 1330	FWL	. 1	T 17S-1	R36E	
WELL NO.	FOOTAGE LOC	ATION	SEC.	TOWNSHIP	RANGE	
			Tul	ular Data		
		Surfac	e Casing			
		Size:_	8 5/8" ~	Cemented wi	th27	<u>5</u>
		TOC:	surface	feet det	ermined by	circ.
				2 1/4"		
	25/2"	Interm	ediate Casi	.ng		
	1:21	Size:_	~	Cemented wi	th	sx
b.		TOC: _		feet det	ermined by	
		Hole S	ize:			
	51/ <sub>2</sub> ):	Long S	tring			
		Size:_	5 1/2" "	Cemented wi	th 125	<u>0</u> sx
<b>\{</b>	51011	TOC: _	surface	feet det	ermined by	circ.
<del>`</del>		Hole S	lze:	7 7/8"		
		Total 1	Depth:5	5113'		
		Inject	lon Interva	1		
				feet to		feet
			•	en-hole, ind	icate which	1)
Tubing size	lined with _	<del></del>	(mater	 (a1)		et in a
		packer at	:	IAI/	feet.	
(brand & model) (or describe any other	r casing-tubing	z seal).				
Other Data	•					
		_	, and this finds			
1. Name of the inject						
2. Name of Field or I	Pool (If applie	cable) _	Lovington	n Grayburg Sa	n Andres	
<ol> <li>Is this a new well If no, for what po</li> </ol>		•	· · · · · · · · · · · · · · · · · · ·	no illed?	product	Lon
4. Has the well ever intervals and give used.						orated
	· · · · · · · · · · · · · · · · · · ·					
5. Give the depth to (pools) in this ar		y overly	ing and/or	underlying o	oil or gas	zones

GREENHILL PET	ROLEUM CORPORATION		<del></del>	on San Andres			
OPERATOR			LEASE				
65	1168 FSL & 1330	) FWL	36	T16S-R36E			
WELL NO.	FOOTAGE LOCA	ATION	SEC.	TOWNSHIP	RANGE		
		<del>, , , , , , , , , , , , , , , , , , , </del>	Tul	bular Data		<del></del>	
(e.		Surfac	e Casing				
		Size:_	8 5/8" "	Comented wit	:h 325	5	
		TOC: _	surface	feet dete	ermined by ci	rc.	
		llole s	ize: 1	2 1/4"			
	878	Interm	ediate Cas	ing			
L, ST	480'	Size:_	~	Cemented wit	:h	S:	
t-		TOC: _		feet dete	ermined by		
		Hole S	ize:				
		Long S	tring				
10 mg		Size:_	5 1/2" "	Cemented wit	:h1200	s	
*. \$	5÷	TOC: _	surface	feet dete	ermined by ci	rc.	
		Hole S	ize:	7 7/8"			
		Total	Depth:	5112'	<del></del>		
		Inject	ion Interva	<u>1</u>			
		_	=	feet to	cate which)	eet	
Tubing size	lined with _				set	in a	
	r	acker a	(mater t	ial)	feet.		
(brand & mode or describe any	l) other casing-tubing						
her Data		,					
	njection formation	-					
	or Pool (If applie			n Grayburg Sai	n Andres		
Is this a new	well drilled for i	njection	n?	no	production		
	lias 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)						
	to and name of an	y overly	ing and/or	underlying o	il or gas zone	98	

GREENHILL PETROLEUM CORPORATION	N Lovington San Andres  LEASE				
OPERATOR					
71 1362 FSL & 1425 FEL	31 T 16S-R37E				
WELL NO. FOOTAGE LOCA	ATION SEC. TOWNSHIP RANGE				
	<u>Tubular Data</u>				
1 1	Surface Casing				
	Size: 8 5/8" " Cemented with 550 sx				
	TOC: surface feet determined by circ.				
	Nole size: 12 1/4"				
	Intermediate Casing				
252"	Size: Cemented withSX				
	TOC: feet determined by				
	Hole Size:				
	Long String				
51/2"	Size: 5 1/2" Cemented with 1150 SX				
SUB!	TOC: surface feet determined by circ.				
	Hole Size: 7 7/8"				
	Total Depth: 5075'				
	Injection Interval				
	feet to feet (perforated or open-hole, indicate which)				
Table of the State					
Tubing size lined with _	(material) set in a				
(brand & model)	packer atfeet.				
(or describe any other casing-tubing	g seal).				
Other Data					
1. Name of the injection formation					
2. Name of Field or Pool (If applic	cable) Lovington Grayburg San Andres				
<ol> <li>Is this a new well drilled for if If no, for what purpose was the</li> </ol>					
	in any other zone(s)? List all such perforated ail (sacks of cement or bridge plug(s)				
<ol> <li>Give the depth to and name of ar (pools) in this area.</li> </ol>	ny overlying and/or underlying oil or gas zones				

	GREENHILL PETROLEUM CORPORATION				Lovington San Andres				
	OPERATOR				LEASE				
	73	1210	FNL	& 1170 FEL	1 T 17S R36E				
	WELL NO.			FOOTAGE LOCA	TION SEC. TOWNSHIP RANGE				
		<del>" </del>		**************************************	Tubular Data				
		7			Surface Casing				
					Size: 8 5/8" " Cemented with 250 SX				
					TOC: surface feet determined by circ.				
		makin paki kepidini			Hole size: 12 1/4"				
		Andrew y Implication			Intermediate Casing				
		Page - (Au) em dispos	Market & charles	•	Size: Cemented withSX				
				75/8 40%	TOC: feet determined by				
		Frience Bounds 1		795 	Hole Size:				
		- - - - - -			Long String				
					Size: 5 1/2" Cemented with 1300 SX				
					TOC: surface feet determined by circ.				
					Hole Size: 7 7/8"				
		į		<u> </u>	Total Depth: 5054'				
		-	•••	2054	Injection Interval				
					feet tofeet				
					(perforated or open-hole, indicate which)				
Tul	bing size _		<del></del>	lined with _	set in a (material)				
				r	eacker atfeet.				
(or	(brand & mo	•		asing-tubing	; seal).				
<u>Oth</u>	er Data								
1.	Name of the	inje	ctic	n formation	· · · · · · · · · · · · · · · · · · ·				
2.	Name of Fie	1d or	Poc	ol (If applio	able) Lovington Grayburg San Andres				
3.					njection? no production well originally drilled?				
4.					in any other zone(s)? List all such perforated il (sacks of cement or bridge plug(s)				
5.	Give the de				y overlying and/or underlying oil or gas zones				

GREENHILL PET	ROLEUM CORPORAT	'ION	Lease  Lease				
OPERATOR							
74	2520FNL & 1310	FEL	. 1	T 17S	R 36E		
WELL NO.	FOOTAGE						
	·		Tu	bular Data			
İ		Surfac	e Casing				
		Size:_	8 5/8" "	Cemented w	ithsx		
		TOC: _	surface	feet de	termined by circ.		
	Constitution of the Consti	llole s	ize:	12 1/4"			
	25/4	Interm	ediate Cas	ing			
	405'	Size:_	~	Cemented w	ithsx		
<b>1</b> -		TOC: _		feet de	termined by		
		Hole S	ize:				
Security of the security of th		Long S	tring				
; 	5/2	Size:_	5 1/2" "	Cemented w	ithsx		
	= 301	TOC: _	surface	feet de	termined by circ.		
		Hole S	ize:	7 7/8"			
		Total	Depth:	5130'			
		<u>Inject</u>	ion Interv	<u>a1</u>			
		<del></del>		_ feet to	feet		
				pen-hole, in	dicate which)		
Tubing size	lined wi	.th		rial)	set in a		
		packer a	•		feet.		
(brand & mode) or describe any (	*	bing seal).					
ther Data	•						
. Name of the i	njection format	ion					
. Name of Field	or Pool (If ap	plicable)	Lovingto	on Grayburg S	an Andres		
	well drilled fat purpose was			no rilled?	production		
	ever be perfora give plugging				ll such perforated plug(s)		
Give the depth (pools) in thi		f any overly	ying and/or	r underlying	oil or gas zones		

	R. J. Nelson			State	· • 0		
•	OPERATOR			LEASE			
	2 1650FSL	& 1950 FWL		30	T16S-R37	E	
	WELL NO.	FOOTAGE LOCA		SEC.		MGE	
				Tub	ular Data		
			Surface	Casing			
			Size:	8 5/8",	Cemented with	425	SX
			<del></del>		feet determ		
				e:		ined by	
				iate Casi		•	
		057 ·			Cemented with		SX
		25/2°			feet determ		
					Teet determ	ittled by	
			Long Str			•	
			_	_	Cemented with	690	SX
	en e		<del></del>		feet determ		
	45			7 7/8	ined by		
	Ź	- 64 ° €		<del></del>	6500'	•	
	-			n Interva		•	
					feet to		feet
				-	en-hole, indica	ice watch)	
Tul	bing size	lined with _		(mater	ial)	set	in a
	(brand & model)	p	acker at			_feet.	
(or	describe any other	er casing-tubing	; seal).		,		
0th	er Data						
1.	Name of the inje	ction formation					
2.	Name of Field or	Pool (If applie	able)	Lovingtor	n Paddock	****	<del></del>
3.	Is this a new well If no, for what	ll drilled for i	njection?	No	·	oduction	
4.	Has the well ever intervals and give used.						ated
5.	Give the depth to (pools) in this		y overlyi	ng and/or	underlying oil	or gas zoi	nes

above Glorieta

GREENHILL	PETROLEUM CORPORATIO	Lovington Paddock Unit				
OPERATOR			LEASE			
72	660 FSL & 2080 FW	Ĺ	. 1	T17S-R3	бE	
WELL NO.	FOOTAGE LOCA	TION	SEC.	TOWNSHIP R	ANGE	
			Tut	oular Data		<del></del>
		Surfac	e Casing			/
	~	Size:_	13 7/8 ~	Cemented with	300	
		TOC: _	surface	feet deter	mined by	circ.
		llole s	ize: 17 1	./2		
	700 5mg	Interm	ediate Casi	lng		
		Size:_	8 5/8 "	Cemented with	1500	sx
		TOC: _	679	feet deter	mined by	temp. survey
	3021	Hole S	ize:	11"		
	S44"	Long S	tring			
	)	Size:_	5 1/2 "	Cemented with	500	sx
-		TOC: _	3864	feet deter	mined by	temp. survey
7		Hole S	ize:	7/8	_	
	100°	Total	Depth: 6	242'		
	· • · ',	Inject	ion Interva	<u>11</u>		
2	6.14.1	/ <u></u>		feet to		feet
		(perio	rated or op	en-hole, indic		_
Tubing size	lined with _		(mater			et in a
(brand & mode		acker a	t		feet.	
	other casing-tubing	; seal).				
Other Data						
1. Name of the i	njection formation					
2. Name of Field	or Pool (If applie	able)	Lovi	ngton Paddock	**************************************	
	well drilled for in the purpose was the			:illed?pro	duction	and the state of
	ever be perforated I give plugging deta					orated
5. Give the dept (pools) in th	th to and name of an	y overl	ying and/or	underlying oi	l or gas z	cones

Above Glorieta

	GREENHILL PET	TROLEUM CORPORATION	LOVINGTON PADDOCK UNIT					
	OPERATOR		LEASE					
	74	660 FSL & 330 FEL	-2	T17S	R36E			
	WELL NO.	FOOTAGE LOC	ATION SEC.	TOWNSHIP	RANGE			
			Tu	ıbular Data				
			Surface Casing					
	٠		Size: 10 3/4 ^	Cemented w	ith 400	sx		
	3		TOC: surface	feet de	stermined by ci	rc.		
			Hole size:			<del></del>		
			Intermediate Cas					
					vith1740	av		
	-00							
	0C 3735	0			etermined by <u>temp</u>	<u>surve</u>		
			Hole Size:	9 7/8"				
			Long String					
			Size: 5 1/2 ^	Cemented v	with800	sx		
			TOC: 3350	feet de	termined by temp	surve		
	$\sum$	STEP GREAT	Hole Size:	6 3/4"				
		1 1/3P 6273'	Total Depth:	8801'	***************************************			
		with soil	Injection Interv	val				
				feet to	fee	et		
		70 880, "	(perforated or o	open-hole, in	dicate which)			
Tu	bing size	lined with	(mate		set in	n a		
			packer at	 	feet,			
(or	(brand & mod describe any	del) y other casing-tubin	g seal).					
Oth	er Data	•						
		injection formation						
		ld or Pool (If appli				<del></del>		
2.		, , , <del></del>		ii i addock		<del></del>		
3.	Is this a ne If no, for v	ew well drilled for what purpose was the	injection? no well originally o	irilled?	production			
4.		L ever be perforated nd give plugging det o				ed		
_	Clara 41 3	oth to and name of	overlying	انداستاندور س	. all an			
5.	(pools) in t	oth to and name of a this area.	my overlying and/o	or angerthius	, oll or gas zone:	5		

Above Glorieta

OPERATOR	ETROLEUM CORPORATION		LEASE	Lovington Pa		•
82	660 FSL & 1980	FEL	. 1	T17S-36E		
WELL NO.	FOOTAGE LOCA	LION	SEC.		RANGE	<del></del>
		··········	Tub	ular Data	<del> </del>	
	156	Surfa	ce Casing			
		Size:	13" ".	Cemented w	<b>ith</b> 2(	sx
	137 13° 23°	TOC:	surface	feet de	termined b	y <u>calc.</u>
	2.5	llole	size: 17		····	
		Inter	mediate Casi	ng		
	TCC 1058'	Size:	9 5/8" "	Cemented w	ith55	<u>sx</u>
$\infty$	• •	TOC:	1058	feet de	termined b	y <u>calc.</u>
72-Da []		Hole :	Size:	12"	<del>-1-1</del>	
		Long !	String			
	, · · <b>)</b>	Size:	7" "	Cemented w	ith	300 SX
4404		TOC: .	2500 <b>'</b>	feet de	termined b	y <u>calc.</u>
	7" 4530	Hole S	Size:	8 3/4 "		
		Total	Depth:	6204'		5" liner set 6120' 15
	iner Set	Inject	tion Interva	1		TOC 4404'
ـ ثـ	61201 Transport	(perf	6120 prated or op	feet to	6204 dicate whi	
ubing size 2	3/8" lined with		_			set in a
			(mater at 6038	ial)	feet.	•
(brand & mode	1)				1860.	
r describe any	other casing-tubing	seal).	•			
her Data						
Name of the i	njection formation _	P	addock			
Name of Field	or Pool (If applica	ıble)	Lovington Pa	ıddock		
	well drilled for in at purpose was the w	-		illed?	prod.	
	ever be perforated i give plugging detai					rforated
Give the depth (pools) in thi	n to and name of any	overl	.ying and/or	underlying	oil or ga	s zones

above Glorieta

GREENHI	LL PETROLEUM CORPORAT	ION Lovington Paddock
OPERATOR		LEASE
99	1540 FEL & 1270FNL	6 T17S-R37E
WELL NO.	FOOTAGE LOCA	ATION SEC. TOWNSHIP RANGE
		Tubular Data
1	1	Surface Casing
		Size: 8 5/8" Cemented with 1200 SX
		TOC: surface feet determined by circ.
		Nole size: 12 1/4"
	Ŷ≤ <i>Ia'</i>	Intermediate Casing
	1982	Size: Cemented withSX
		TOC: feet determined by
		Hole Size:
		Long String
	~1 h	Size: 5 1/2"" Cemented with 1750 SX
	5/12" - 5500'	TOC: surface feet determined by circulat
		Hole Size: 7 7/8"
		Total Depth: 6500'
		Injection Interval
		feet to feet (perforated or open-hole, indicate which)
ubing size	lined with	(material) set in a
	r	(material) eacker atfeet.
(brand & mo r describe an	del) y other casing-tubing	
<u>ier Data</u>		
Name of the	injection formation	
Name of Fie	ld or Pool (If applic	able) Lovington Paddock
	ew well drilled for i what purpose was the	njection? no well originally drilled? prod.
Has the wel intervals a used.	l ever be perforated nd give plugging deta no	in any other zone(s)? List all such perforated il (sacks of cement or bridge plug(s)
		y overlying and/or underlying oil or gas zones
(pools) in	above-Glorietta	

GREENHILL F	PETROLEUM CORPORAT	ION	]	Lovington Pad	dock	
OPERATOR		LEASE				
104	240 FWL & 75 FM	NL ·	31	T16S-R3	7E	
WELL NO.	FOOTAGE LOCA	ATION :	SEC.	TOWNSHIP	RANGE	
			Tu	bular Data		
1.1		Surface Cas	sing			
		Size: 8 5,	<u>/8"   </u> ~	Cemented wi	Lth 750	sx
		TOC: sur	face	feet det	ermined by <u>ci</u>	rc.
		Hole size:		12 1/4"		
	25/2"	Intermedia	te Cas	ing		
	- 975'	Size:		Cemented wi	lth	SX
		TOC:		feet det	cermined by	
		Hole Size:				
		Long String	g			
		<b>Size:</b> 5	1/2""	Cemented wi	lth1600	sx
	5/2"	TOC: st	ırface	feet det	termined by circ	culatio
	6460177	Hole Size:		7 7/8"	<del></del>	
		Total Depti	h:	6425'		
		Injection	Interv	<u>a1</u>		
		(novforato	d ar a	feet to	ilcate which)	Eeet
Tubing size	lined with		1 01 (0)	pen-nore, inc	set	4
Tubing size				rial)		III a
(brand & model	t	packer at			feet.	
(or describe any o	ther casing-tubing	g seal).				
Other Data						
1. Name of the in	jection formation					
2. Name of Field	or Pool (If applic	cable) Lo	vingto	n Paddock		
	well drilled for t t purpose was the		no	<del></del>	prod.	
	ver be perforated give plugging deta no					ıted
•	to and name of an	ny overlying	and/o	r underlying	oil or gas zor	nes
(pools) in this	s area.					

	GREENHILL	PETROLEUM CORPORAT	ON Lovington Paddock				
O	PERATOR		LEASE		***************************************		
	105	69 FNL & 1324 FWI	. 31	T 16S-R37E			
	ELL NO.	FOOTAGE LOCA	TION SEC.		GE		
			Tu	ıbular Data			
	1 l		Surface Casing				
			Size: 8 5/8" "	Cemented with _	700 sx		
			TOC: surface	feet determi	ned by circ.		
		0.7	llole size:	12 1/4"			
		8≤/ <sub>8</sub> °	Intermediate Cas	ing			
	-	— 1860,	Size:	Cemented with _	SX		
			TOC:	feet determi	ned by		
			Hole Size:				
			Long String				
			Size: 5 1/2""	Cemented with _			
		5½' .~458'	TOC: surface	feet determi	ned by circulation		
		.≈4.20	Hole Size:	7 7/8"			
			Total Depth:	6450'			
			Injection Interv	ral			
			(newforehold or o	feet to	feet		
m .1 t.	<b>!</b>	The Lessay					
lubing	Size	lined with _	(mate	rial)	set in a		
	and & model	P	acker at		feet.		
		ther casing-tubing	seal).				
Other De	ata						
1. Name	e of the in	jection formation					
2. Name	e of Field	or Pool (If applic	able) Lovingto	on Paddock			
		well drilled for i t purpose was the					
	ervals and	ver be perforated give plugging deta no					
	o the depth	to and name of an s area.	y overlying and/o	r underlying oil	or gas zones		

	GREENHILL PETROLEUM CORPORATI			TON Lovington Paddock					
	OPERATOR	ATOR		LEASE					
	108	1615 FNL & 271	5 FWL	. 31	T16S-R37E				
	WELL NO.	FOOTAGE LOCA	TION	SEC.	TOWNSHIP	RANGE			
				Tub	oular Data	<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>			
	١.١		Surface	Casing					
			Size:	8 5/8" "	Cemented w	ith	700	_sx	
			TOC: _	surface	feet de	termined	by <u>circ</u>	•	
			Nole si	.ze:	12 1/4"				
		878	Interme	diate Casi	ng				
	<b></b>	C2.8	Size:		Cemented w	ith		_sx	
			TOC: _		feet de	termined 1	ьу		
			Hole Si	.ze:					
			Long St	ring					
			Size:	5 1/2""	Cemented w	ith	1520	_sx	
		5½" 500'	TOC:	surface	feet det	termined l	b <b>y</b> c <u>ircu</u> l	atio	
		00 <i>2</i> 0	Hole Si	ze:	7 7/8"				
			Total D	epth:	6500'				
			<u>Injecti</u>	on Interva	<u>1</u>				
			•••		feet to		fee	.t	
			(perfor	ated or op	en-hole, inc	licate whi	Lch)		
Tubir	ng size	lined with _		(mater	·{n1)		_ set in	ıa	
<del></del>		F	acker at			feet	•		
	orand & model) escribe any othe	c casing-tubing	; seal).						
Other_	Data	•							
	nme of the inject	tion formation		<b></b>	_				
	ume of Field or	•				-			
			-		raddock	<del></del>	<del></del>		
	this a new well no, for what p				illed?	prod.	<del></del>		
in	as the well ever ntervals and give sed.						erforate	d	
	ve the depth to lools) in this a		y overly	ing and/or	underlying	oil or ge	ıs zones		

	PETROLEUM CORPORAT	20 v = Mg To
OPERATOR		LEASE
WELL NO.	FOOTAGE LOCA	
		Tubular Data
1 1		Surface Casing
1 1		Size: 8 5/8" ~ Cemented with 700 sx
		TOC: surface feet determined by circ.
		Nole size: 12 1/4"
	25/g"	Intermediate Casing
L	1785'	Size: Cemented withSX
		TOC: feet determined by
		Hole Size:
		Long String
		Size: 5 1/2"" Cemented with 1585 SX
	55." 64.00	TOC: surface feet determined by circulati
	0.10	Hole Size: 7 7/8"
		Total Depth: 6450'
		Injection Interval
		feet to feet (perforated or open-hole, indicate which)
Tubing size	lined with	set in a (material)
		packer atfeet.
(brand & model or describe any o	.) other casing-tubing	g seal).
ther Data		•
Name of the in	jection formation	
	•	cable) Lovington Paddock
	well drilled for i	injection? no well originally drilled? prod.
		in any other zone(s)? List all such perforated ail (sacks of cement or bridge plug(s)
Give the depth (pools) in thi		ny overlying and/or underlying oil or gas zones
abo	ve-Glorietta	

GREENHILL PETROLEUM CORPOR	CATION	ON Lovington Paddock				
OPERATOR		LEASE			······································	
110 1220 FSL & 1530 FWL		. 36	T16S-R36E			
WELL NO. FOOTAGE L		SEC.	TOWNSHIP	RANGE	<del></del>	
		Tub	oular Data		· · · · · · · · · · · · · · · · · · ·	
١ ١	Surface	Casing				
	Size:_8	3 5/8" "	Cemented w	ith 550	sx	
	TOC: _s	urface	feet de	termined by <u>c</u>	irc.	
	Nole siz	ze:	12 1/4"	5-1		
) \$\frac{1}{2}\tau	Intermed	liate Casi	.ng			
1315'	Size:		Cemented w	ith	sx	
	TOC:		feet de	termined by _		
	Hole Siz	:e:				
	Long Str					
	Size:	5 1/2""	Cemented w	ith 1450	sx	
Si,	TOC:	surface	feet de	termined by <u>ci</u>	rculatio	
	Hole Siz	:e:	7 7/8"	-		
			6450 <b>'</b>			
		n Interva				
	(perfora	ited or op	feet to	dicate which)	feet	
Tubing size lined wit	h			sel	: in a	
	packer at	(mater	ial)	feet.		
(brand & model) (or describe any other casing-tub		***************************************		·		
Other_Data	ing soury.					
1. Name of the injection formation	on					
2. Name of Field or Pool (If app					····	
· · · · · · · · · · · · · · · · · · ·			- I dadoek			
3. Is this a new well drilled for If no, for what purpose was t			illed?	prod.		
4. Has the well ever be perforate intervals and give plugging dused.					cated	
5. Give the depth to and name of (pools) in this area.	any overlyi	ng and/or	underlying	oil or gas zo	nes	
above-Glorietta						

GREENHILL P	ETROLEUM CORPORAT	'ION		Lovington Paddock	
OPERATOR			LEASE		
112	1370FSL & 2	2720 FWL	- 31	T16S-R37E	
WELL NO.	FOOTAGE LOC	ATION	SEC.	TOWNSHIP RANGE	
			Tu	bular Data	
1 I		Surface	Casing		
		Size:_{	3 5/8" ~	Cemented with 600	sx
		TOC:s	surface	feet determined by	circ.
		Hole siz	:e:	12 1/4".	
	25/8"	Intermed	liate Cas	ing	
	1970	Size:		Cemented with	SX
		TOC:	······································	feet determined by	•
		Hole Siz	ze:		•
		Long Str	ing		
	5½"			Cemented with 1400	
<b>—</b>	2001	TOC:	surface	feet determined by o	irculation
			***************************************	7 7/8"	
		Total De	epth:	6500'	
		Injection	on Interv	<u>a1</u>	
		(perfora	ited or o	feet to pen-hole, indicate which	_ feet )
Tubing size	lined with			s	et in a
		packer at	(mate	rial) feet.	
(brand & model) (or describe any ot		g seal).			
Other Data	•				
1. Name of the inj	ection formation			-	
2. Name of Field o	r Pool (If applic	cable)	Lovingto	n Paddock	
	ell drilled for to purpose was the			rilled? prod.	
intervals and gused.				(s)? List all such perf nt or bridge plug(s)	orated
5. Give the depth (pools) in this		ny overlyi	ng and/o	r underlying oil or gas	zones

GREENHILL	PETROLEUM CORPORAT	ION		Lovington Pa	addock
OPERATOR			EASE		
113	1417 FSL & 1	508 FEL .	31	T16S-R37E	
WELL NO.	FOOTAGE LOC	ATION S	EC.	TOWNSHIP	RANGE
			T	ubular Data	
<b>3</b> 1		Surface Cas	ing		
		Size: 8 5/	'8''	" Cemented	with <u>825</u> s.
		TOC: surf	ace	feet d	etermined by <u>circ.</u>
			-	12 1/4"	
	& S/2"	Intermediat			
	1880'			_	withS
1	Ť				etermined by
					-
					**************************************
		Long String			
	5. <sub>2</sub>				with1550 s
<b>L</b>	6500	TOC: su	rfac	e feet de	etermined by circulat
		Hole Size:		7 7/8"	
		Total Depth	·: _	6500 <b>'</b>	
		Injection I	nter	val	
		·		feet to	
		_		-	ndicate which)
Tubing size	lined with		(mat	erial)	set in a
(brand & model	I	packer at	<b>,</b>		feet,
(or describe any o	-	g seal).			
Other Data	· .				
1. Name of the in	lection formation		··· — ··· ··		
	or Pool (If applic			on raddock	
	well drilled for i t purpose was the			drilled?	prod.
	ver be perforated give plugging deta no				all such perforated plug(s)
5. Give the depth	to and name of ar	ny overlying	and/	or underlying	g oil or gas zones
(pools) in this		•	٠	,	

GREENHIL	L PETROLEUM CORPORAT	TION Lovington Paddock
OPERATOR		LEASE
114	150 FSL & 1650FWL	36 T16S-R36E
WELL NO.	FOOTAGE LOC	CATION SEC. TOWNSHIP RANGE
		Tubular Data
1	1	Surface Casing
		Size: 8 5/8" " Cemented with 700 SX
		TOC: surface feet determined by circ.
		Nole size: 12 1/4"
	45ig'	Intermediate Casing
	1860,	Size: Cemented withSX
		TOC: feet determined by
		Hole Size:
		Long String
		Size: 5 1/2"" Cemented with 1475 SX
L	- 5从"	TOC: surface feet determined by circulati
	WHILE !	Hole Size: 7 7/8"
		Total Depth: 6425'
		Injection Interval
		feet to feet (perforated or open-hole, indicate which)
Tubing size	lined with	set in a (material)
	•	(material) packer atfeet.
(brand & moder describe any	lel) other casing-tubin	
her Data		6
	injection formation	
		cable) Lovington Paddock
	,	
	w well drilled for : that purpose was the	well originally drilled? prod.
Has the well intervals an used.	ever be perforated ad give plugging deta no	in any other zone(s)? List all such perforated ail (sacks of cement or bridge plug(s)
Give the dep	th to and name of a	ny overlying and/or underlying oil or gas zones
(pools) in t		the state of the s
а	above-Glorietta	

	GREENHILL	PETROLEUM CORPORAT	ION	L	ovington Pa	ddock	
	OPERATOR 116	155 FSL & 1550	FEL	LEASE 31	T16S-R37	E	
	WELL NO.	FOOTAGE LOCA		SEC.			
				Tub	ular Data		
			Surface	Casing			
			Size:	8 5/8" _~.	Cemented w	1th700	sx
			TOC:	surface	feet de	termined by ci	irc.
			liole s	lze:	12 1/4"		
		} \$/p"	Interme	ediate Casi	ng		
		272	Size:	<i>N</i>	Cemented w	1th	sx
			TOC: _		feet de	termined by	
			Hole Si	lze:			
			Long St	ring			
			Size:	5 1/2""	Cemented w	ith1400	sx
		Salt.	TOC: _	surface	feet de	termined by cir	culation
		6 <b>2</b> 00			7 7/8"		
			Total I	Pepth:	6500 <b>'</b>		
				on Interva			
					feet to		feet
				•	•	dicate which)	
Tul	bing size	lined with _		(mater	ial)	set	in a
	(brand & model	P	acker at			feet.	
(or		ther casing-tubing	seal).				
0th	er Data	·					
1.	Name of the in	jection formation			_		
2.	Name of Field	or Pool (If applic	able)	Lovingtor	n Paddock	***************************************	
3.	Is this a new If no, for wha	well drilled for i	njectior well ori	no ginally dr	illed?	prod.	-
4.		ver be perforated give plugging deta no					ated
5.	Give the depth (pools) in thi	to and name of an	y overly	ing and/or	underlying	oil or gas zo	nes

GREEN	HILL PETROLEUM CORPORAT	ION Lovington Paddock
OPERATO	R	LEASE
117 WELL NO	1265 FNL & 2560 FI FOOTAGE LOCA	
		Tubular Data
	. 1	Surface Casing
		Size: 8 5/8" " Comented with 700 SX
		TOC: surface feet determined by circ.
		liole size: 12 1/4"
	254	Intermediate Casing
	1870'	Size: Cemented withSX
		TOC: feet determined by
		Hole Size:
		Long String
		Size: 5 1/2" Cemented with 1450 SX
	5%	TOC: surface feet determined by circulation
	ر مردحی	Hole Size: 7 7/8"
		Total Depth: 6500'
		Injection Interval
		•
		(perforated or open-hole, indicate which)
Tubing size	lined with _	(material) set in a
	P	(material) packer atfeet.
(brand & )	nodel) any other casing-tubing	; seal).
Other Data		
	ne injection formation	
	•	
2. Name of F.	rerg or koor (it abbite	able) Lovington Paddock
	new well drilled for i r what purpose was the	njection? no well originally drilled? prod.
		in any other zone(s)? List all such perforated il (sacks of cement or bridge plug(s)
e ol	lanth to and now -F	or overlying and/or underlying all and and
	lepth to and name of an 1 this area.	y overlying and/or underlying oil or gas zones

GREENHILL	PETROLEUM CORPORAT	CION	L	ovington Pa	addock	
OPERATOR			LEASE			
118	1210 FNL & 12	280 FEL	. 1	T 17S-	R 36E	
WELL NO.	FOOTAGE LOC	ATION	SEC.	TOWNSHIP	RANGE	
			Tub	oular Data		
1.1		Surface	Casing			
} {		Size:_8	5/8" "	Comented	w1th800	вх
		TOC:s	urface	feet d	etermined by	circ.
		liole siz	e:	12 1/4"	<del></del>	
	) s. /.	Intermed	late Casi	.ng		
-	2=\{\delta_{\delta_0}\)	Size:	·····	Cemented	with	sx
	-	TOC:		feet d	etermined by	
		Nole Siz	e:			
		Long Str	ing			
	e G	Size:	5 1/2""	Cemented	with145	<u>0</u> sx
L	5% ************************************	TOC:	surface	feet d	etermined by	circulati
	72 C 2	Hole Siz	e:	7 7/8"		
		Total De	pth:	6800 <b>'</b>		
		Injectio	n Interva	1		
		7		feet to	ndicate which	feet
		_	-		•	
ubing size	lined with	· · · · · · · · · · · · · · · · · · ·	(mater	ial)	s	et in a
(brand & model	I	packer at	····		feet.	
	ther casing-tubing	g seal).				
her_Data	· .			•		
	jection formation					
Name of Field	or Pool (If applie	cable)	Lovingtor	ı Paddock		
Is this a new If no, for wha	well drilled for i t purpose was the	injection? well orig	no inally dr	illed?	prod.	
	ver be perforated give plugging deta no					orated
		-4 -				
Give the depth (pools) in this	to and name of an	ny overlyii	ng and/or	underlying	; oil or gas	zones
18						

GREENHI	LL PETROLEUM CORPOR	RATION Lovington Paddock
OPERATOR		LEASE
	1100 FWL & 2500 I	
WELL NO.	FOOTAGE 1	LOCATION SEC. TOWNSHIP RANGE
No		Tubular Data
1	1	Surface Casing
		Size: 8 5/8" Cemented with 700 SX
		TOC: surface feet determined by circ.
		llole size: 12 1/4".
	) ( · ·	Intermediate Casing
	1908	Size: Cemented withSX
	. (26)	TOC: feet determined by
		Hole Size:
		Long String
		Size: 5 1/2" Cemented with 1300 SX
	5/2	TOC: surface feet determined by circulation
	6450'	Hole Size: 7 7/8"
		Total Depth: 6450'
		Injection Interval
		feet tofeet
		(perforated or open-hole, indicate which)
Tubing size	lined wit	th set in a
(brand & mo (or describe an	del) y other casing-tub	oing seal).
Other Data	· .	
	injection formati	Lon
		olicable) Lovington Paddock
	•	
3. Is this a no lift no, for the state of th	ew well drilled fo what purpose was t	the well originally drilled?prod.
		ed in any other zone(s)? List all such perforated letail (sacks of cement or bridge plug(s)
		any overlying and/or underlying oil or gas zones
(pools) in		

GREENH:	LLL PET	TROLEUM CORPO	ORATION	1	Lovington Pa	addock		
OPERATOR				LEASE				
122	2440	FNL & 117 F	WL	. 6	T17S-R37E			
WELL NO.	· · · · · · · · · · · · · · · · · · ·	FOOTAGE	LOCATION	SEC.	TOWNSHIP	RANGE		
				Tul	bular Data		<del>V. I.</del>	
١	ı		Surfa	ce Casing				
			Size:	8 5/8" "	Cemented v	with	700	sх
			TOC:	surface	feet de	etermined	by <u>cir</u>	<u>c.</u>
			llole	size:	12 1/4"			
		¿≤/ <sub>8</sub> "	Inter	mediate Cas	ing			
	<b>L</b>	1865	Size:	~	Cemented v	vith	<del></del>	sx
			TOC:	•	feet de	etermined	by	
			Hole	Size:				
			Long	String				
			Size:	5 1/2""	Comented w	ith	1350	sx
Į	<del></del>	555 2450 '	TOC:	surface	feet de	termined	by circ	ulatio
		₹/# <b>2</b> 0	Hole	Size:	7 7/8"			
			Total	Depth:	6450 <b>'</b>			
			Injec	tion Interva	1 <u>1</u>			
			( a E	orated or op	feet to	. 11	fe	et
		•• • •	(perr	orated or of	en-nole, in	idicate w		
Tubing size		lined wi	th	(mater	ial)	······································	set i	.n a
(brand & mo			packer	at		fee	t.	
(or describe an		er casing-tu	bing seal)	•				
Other Data								
1. Name of the	injec	tion format	ion		<del>-</del>			
2. Name of Fie	ld or	Pool (If ap	plicable)	Lovington	n Paddock			
		1 drilled fourpose was		on? <u>no</u> riginally dr	:111ed?	prod.		
		e plugging		other zone( cks of cemen			perforat	ed
5. Give the de (pools) in			E any over	lying and/or	underlying	oil or a	gas zone	s

GREENHI	LL PETROLEUM CORPORAT	ION	Lovington Pade	dock	
OPERATOR		LEA	SE		
123 WELL NO.	2525 FNL & 1420 FWI FOOTAGE LOCA		T17S-R37E TOWNSHIP	RANGE	
		***************************************			
			Tubular Data		
1	1	Surface Casir	ıg		
		Size: 8 5/8"	" Comented wi	th700_	sх
		TOC: surfac	e feet det	ermined by <u>c</u>	irc.
		liole size:	12 1/4"		
	٠ <u>٠</u> څرکنې	Intermediate	Casing		
	270	Size:	" Cemented wi	th	sx
		TOC:	feet det	ermined by _	······································
		llole Size: _			
		Long String			
		Size: 5 1/	2"" Cemented wi	th1550	sx
	_ 5%" 5500	TOC: surf	ace feet det	ermined by <u>ci</u>	rculatio
	9200	Nole Size:	7 7/8"	•	
		Total Depth:	6500'		
		Injection Int	erval		
		***	feet to	\$ 14 A B B B B B B B B B B B B B B B B B B	feet
		<del>-</del>	r open-hole, ind		
Tubing size	lined with	(m	aterial)	set	t in a
(brand & mod	F	packer at		feet.	
	y other casing-tubing	g seal).			
Other Data					
1. Name of the	injection formation	——————————————————————————————————————			7-1
2. Name of Fiel	ld or Pool (If applic	able) Lovin	ngton Paddock		
3. Is this a ne	ew well drilled for i	nfection?	no		
	what purpose was the			rod.	<del></del>
	l ever be perforated nd give plugging deta no				rated
5. Give the dep	oth to and name of an	v overlying an	d/or underlying s	11 or and =-	nnee
(pools) in t		o otorrynig all	o, or undertains (	TI OI EUS ZO	/110 <i>S</i>

	GREENHI	LL PETROLEUM CORPORAT	ION 1	Lovington Paddoc	:k	
	OPERATOR		LEASE			
	124	1450 FSL & 120 FWL	. 6	T17S-R37E		
***************************************	WELL NO.	FOOTAGE LOCA	TION SEC.	TOWNSHIP RA	ANGE	
					<del></del>	
			Tul	bular Data		
	1	1	Surface Casing			
			Size: 8 5/8" "	Cemented with	950	sx
			TOC: surface	feet determ	nined by <u>cir</u>	<u>c.</u>
			liole size:	12 1/4"		
		25/g"	Intermediate Cas	ing		
		18:5	Size:	Cemented with		sx
		. sar	TOC:	feet determ	mined by	
			Hole Size:		-	
			Long String			
			Size: 5 1/2""	Cemented with	1600	sx
	L	- 542	TOC: surface	feet determ	nined by circu	<u>ılatio</u> n
		0605	Hole Size:	7 7/8"	ua.	
			Total Depth:	6600'		
			Injection Interve	<u>al</u>		
			(perforated or op	feet to	fe	et
					•	
Tub	ing size	lined with	(mate)	rial)	set i	n a
		P	acker at		_feet.	
	(brand & mo describe an	del) y other casing-tubing	seal).			
Othe	r Data					
		injection formation				
		ld or Pool (If applic			**************************************	
		,				
		ew well drilled for i what purpose was the			d.	
3		l ever be perforated nd give plugging deta no				:ed
	Give the dep (pools) in	oth to and name of an	y overlying and/or	underlying oil	or gas zone	s

TEXACO		State	2 P	
OPERATOR	······································	LEASE		
4	1650 FWL & 990 FSL	32	T 16S R 37E	E
WELL NO.	FOOTAGE LOCATION	N SEC.	TOWNSHIP	RANGE
	<del></del>	T	ubular Data	
	<u>Su</u>	rface Casing		
	Si	ze: 13 3/8"	" Cemented w	with 350 sx
	то	C: surface	feet de	termined by circ.
	1 1 12 3/. "		17 3/4"	
	In	termediate Ca	sing	
	Si	ze: 8 5/8"	" Cemented w	oith 1250 sx
	TO	C: surface	feet de	termined by 60% cald
	3313 51/2 liner hung	le Size:	11	The second second
Taylor	3313' liner hung ho 3495' si	ng String		
TOC	8 5/2 si	ze: 5 1/2"	" Cemented w	with 532 sx
Annual Control of the				termined by C-103
	В414' но			<del></del>
	5/2 liner To	tal Depth: _	8415'	
·	<u>In</u>	<u>jection Inter</u>	<u>val</u>	
	<u>(p</u>	erforated or	feet to open-hole, in	feet dicate which)
Tubing size	lined with	(mat	erial)	set in a
		er at	<u>`</u>	feet.
(brand & mode) (or describe any	t) other casing-tubing se	al).		
Other Data				
l. Name of the i	njection formation			
2. Name of Field	or Pool (If applicable	e) Loving	ton Abo	
	well drilled for inject at purpose was the wel		drilled? P	roduction
	ever be perforated in give plugging detail	•		•
5. Give the depth (pools) in th	n to and name of any o	verlying and/	or underlying	; oil or gas zones

CITIES SERVICE OIL	L COMPANY		STATE CG	3	
OPERATOR			LEASE		
1	660 FSL & 660 FEL		30	T16S-R37E	
	FOOTAGE LOCA				ANGE
		1,1,1,	Tub	oular Data	
Set [] 30 sx plug to 30'	Image: section of the content of the	Surface	Casing		
to 30'	25/2*	Size:_{	3 5/8" "	Cemented with	900 sx
	2019	TOC: _	surface	feet deter	mined by 60% calc
[49.	Set 25 sx.plus			L 1/4"	-
<u> </u>	2138 tc 2150	/ Interme	diate Casi	ng	
Set 25 5x plug 3719' to 3816'	Set 25 sx. plu	Size:_		Cemented with	SX
3719' to 3816'	-100 10 2066	TOC: _		feet determ	mined by
		Hole Si	.ze:		-
S sx cement Dug 6356 to 6150	6356	Long St	ring		
Plug 6356' to 6150	1 S//2"	Size:	5 1/2" "	Cemented with	
		TOC:	¥592	feet deter	mined by 60% cal
PLA		Hole Si	.ze:	7 7/8"	_
1-29-66		Total D	epth:	6356'	<del>_</del>
1-29-66		Injecti	on Interva	<u>.1</u>	
				feet to	feet
		-	_	en-hole, indic	
Tubing size			(mater	•	set in a
(brand & model)			·		feet.
(or describe any ot	her casing-tubin	g seal).			
<u>Other Data</u>					
1. Name of the inj	ection formation				
2. Name of Field o	r Pool (If appli	cable) _	<del></del>		
	ell drilled for purpose was the	-		:111ed?	
	er be perforated ive plugging det				
5. Give the depth (pools) in this	to and name of a	ny overly	ing and/or	underlying oi	l or gas zones

UNITED PRODUCT	ING CO., INC.		<del></del>	Caylor	
OPERATOR			LEASE		
	4290 FNL and 660		. 6 		
WELL NO.	FOOTAGE LOG	ALIUN	SEC.	TOWNSHIP RANGE	
			Tu	bular Data	
		Surface	Casing		
		Size:	13" "	Cemented with	250 <b>s</b> :
		TOC: _	surface	feet determined	by circ.
		Nole si	ze:	15	
		Interme	ediate Cas	ing	
	310' - 13"	Size:	9 5/8 "	Cemented with	<u>350</u> <b>S</b>
	()	TOC:	1117	feet determined	1 by 60% cal
		Hole Si	ize:	10 3/4"	
		Long St	ring		
	2950'	Size:_	7"	Cemented with	300 s
	95/8"	TOC:	3039	feet determined	1 by 60% cal
		Hole Si	88	1/4"	
	. 4590'	Total D	epth:		
•	7"	<u>Injecti</u>	on Interv	<u>a1</u>	
			ated or o	feet to	feet
Tubing size	lined with				•
		nacker at	(mate:	rial)	
(brand & mode	1)		,	fee	
or describe any	other casing-tubir	ig seal).			
ther Data					
Name of the i	njection formation	1			
Name of Field	or Pool (If appli	cable) _			<del></del>
	well drilled for at purpose was the	-		rilled?	**************************************
Has the well intervals and used.	ever be perforated give plugging det	l in any o :ail (sack	ther zone	(s)? List all such nt or bridge plug(s)	perforated
Give the depth (pools) in th		ıny overly	ing and/o	r underlying oil or	gas zones

Surface   Size:     TOC:     Hole si:     Size:     TOC:     Hole Si:     Long St	
Surface   Size:     TOC:     Hole si:     Size:     TOC:     Hole Si:     Long St	Tubular Data  Casing  5/8" " Cemented with
Size:	
Size:	
TOC:   Hole six	######################################
	e:
	iate Casing
Size:	feet determined by
Hole Si.  Long St  Size:  TOC:  Hole Si.  Total De  Injection  (perfore  Tubing size lined with  packer at  (brand & model)  (or describe any other casing-tubing seal).	e:
Long St   Size:	ing
Size:   TOC:   Hole Size   Total District	1/2" " Cemented with SX 2900
ToC:	2900 feet determined by T.S. e: 7 7/8"
Hole Simulation    Total Description    Injection    (performant    ——————————————————————————————————	e: 7 7/8"
Total Describe any other Data  Hole Size Injection (performance of the packer at content of the packer at con	
Injection  (performance of the content of the conte	nth: 6505!
Tubing size lined with packer at (brand & model) (or describe any other casing-tubing seal).	pth: <u>6505'</u>
Tubing size lined with packer at (brand & model) (or describe any other casing-tubing seal).  Other Data	n Interval
packer at (brand & model) (or describe any other casing-tubing seal).  Other Data	feet to feet ted or open-hole, indicate which)
packer at (brand & model) (or describe any other casing-tubing seal).  Other Data	set in a
(or describe any other casing-tubing seal).  Other Data	(material) feet.
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 original	inally drilled?
<ol> <li>Has the well ever be perforated in any o intervals and give plugging detail (sack used.</li> </ol>	
	her zone(s)? List all such perforated





11490 WESTHEIMER ROAD, SUITE 200 HOUSTON, TEXAS 77077-6841 TELEPHONE (713) 589-8484 FAX. (713) 589-7892

Incorporated in Delaware, U.S.A.

April 20, 1992

Oil Conservation Division State of New Mexico Energy, Minerals, and Natural Resources P. O. Box 2088 Santa Fe, New Mexico 87504-2088

Attention: Mr. David Catanach

RE: Proof of Publication Lovington Paddock Area

Lea County, New Mexico

#### Gentlemen:

Enclosed please find the proof of publication and return receipts from the offset operators covering the following converstion wells in the Lovington Paddock Area:

Lovington Paddock Wells #9, #10, #26, #35, #43, #63, #65, & #69

Please inform me if you need additional information.

Very truly yours,

Richard Thurst

Michael J. Newport

Land Manager/Permian Basin

MJN/jem 92.278

Enc.

#### AFFIDAVIT OF PUBLICATION

State of New Mexico, County of Lea.

#### I. Kathi Bearden

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

or
One weeks.
Beginning with the issue dated
Feb. 25 , 19 92
and ending with the issue dated
Feb. 25 , 19 92
Sohi Bearder
General Manager
Sworn and subscribed to before
me this 20 day of
Arbicony, 1993
Notary Public.
My Commission expires
<u>Aug. 5</u> , 19 <u>9</u> 5

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 25, 1992 Greenhill Petroleum Westheimer, Suite 200, Houston, TX 77077 — Phone (713) 589-8484 Contact: Michael J. Newport. Greenhill Petroleum Corporation plans to convert the following producing wells to injection wells within the Lovington Paddock Field Area. The purpose of the produced injection wells is to in-crease the reservoir pressure in order to improve the recovery of hydrocarbons. The location of the proposed wells are the following Wells Nos. within Sections 31 T165-R37E, 35 T16S-R36E, 1 T17S-R36E and 6 T175-R37E, Lea County, NM, Well Nos. 9, 10, 26, 35, 43, 63, 65, 69. The injection intervals are approximately between the depths of 6010' and 6838' in the Padratic American The materials. dock formation: The maximum injection rates are pressures 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 fifteen (15) days.

SENDER:	I all vish to receive the
Complete items     Complete items     Complete items     and 4a & b.	TOHOWING SCIVICOS (10)
· Print your name and address on the reverse of the	is form so fee):
that we can return this card to you.  • Attach this form to the front of the mailpiece, or	
back if space does not permit.  • Write "Return Receipt Requested" on the mailpie	2. Restricted Delivery Consult postmaster for fee.
the article number.  3. Article Addressed to:	4a. Article Number
	P 672 741 737
Mr. R. J. Nelson	4b. Service Type _
P. O. Box 755	Registered Insured
HUDDS, New Mexico 88240	xCertified COD
	Express Mail *** Return Receipt for Merchandise
	7. Date of Delivery
	3-26-92
5. Signature (Addressee)	Addressee's Address (Only if requeste and fee is paid)
6. Signature (Agent)	
PS Form <b>3811</b> , October 1990 ± U.S. GPO: 1990—2	73-861 DOMESTIC RETURN RECEIP
SENDER:	
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that we can return this card to you.	1 —
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back if space does not permit.	2. Restricted Delivery
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3. Article Addressed to:	4a. Article Number
C. Attoro Addiosos to	P 375 330 382
Tipporary Corporation	4b. Service Type
Tipperary Corporation	Certified COD
633 17th Street, Suite 1550	Express Mail
Denver, Co. 80202	Merchandise
•	7. Date of Delivery
	5 26 V-5 2
5. Signature (Addressee)	8. Addressee s Address (Only it requests
	and fee is paid)
G Girent as (Arrest)	
6. Signature (Agent)	
- Judy 1 Da	
PS Form 3811, October 1990 *U.S. GPO: 1990-2	73-861 DOMESTIC RETURN RECEIP
propagation of the control of the co	en e
SENDER:	
Complete items	s. I al vish to receive the
<ul> <li>Complete tems and 4a &amp; b.</li> </ul>	following services (for an extra
Print your name and address on the reverse of the that we can return this card to your.	nis form so fee):
<ul><li>that we can return this card to you.</li><li>Attach this form to the front of the mailpiece, or</li></ul>	1. Addressee's Address
back if space does not permit.	
Write "Return Receipt Requested" on the mailpid	
the article number.	Consult postmaster for fee.
3. Article Addressed to:	4a. Article Number P 375 330 324
Oxy, USA	Ah Sarvida Tuna
P. O. Box 50250	4b. Service Type
Midland, Texas 79710	ZEX Certified COD
	☐ Express Mail ※※ Return Receipt for Merchandise
	7. Date of Delivery
5. Signature (Addressee)	8. Addressee's Address (Only if requeste
	and fee is paid)
6. Signature (Agent)	

SENDER: Complete items 1 and 2 when additional		
SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.		
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.		
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,	P-375-330-333	
Mr. James Lynn Walker	Type of Service:	
2900 Dal Paso	Registered Insured	
Hobbs, New Mexico 88240	Certified COD	
1 1000 Hew Hexten 80240	Express Mail Return Receipt for Merchandise	
	Always obtain signature of addressee	
	or agent and DATE DELIVERED.	
5. Signature — Addressee	8. Addressee's Address (ONLY if	
x downse Walker-	requested and fee paid)	
6. Signature — Agent,	1	
x Su	·	
7. Date of Delivery 4-3-92		
PS Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT		
A SAN COLOR OF THE		