

AREA OF REVIEW

WELLS

OTHER

BEFORE EXAMINER CATANACH OIL CONSERVATION DIVISION <u>GREENHILL</u> EXHIBIT NO. <u>6</u> CASE NO. <u>10154</u>
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INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
# 2	1650' FSL & 330' FEL	25 <sup>1</sup>	16S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
10-31-53



Surface Casing

Size: 10-3/4 " Cemented with 300 SX  
 TOC: Surface feet determined by calc  
 Hole size: 13-3/4"

Intermediate Casing

Size: 7-5/8" Cemented with 1540 SX  
 TOC: Surface feet determined by calc  
 Hole size: 9-7/8"

Long String

Size: 5-1/2" Cemented with 730 SX  
 TOC: 3231 feet determined by temp survey  
 Hole size: 6-3/4"

Total Depth: 6300'

Injection Interval

5394 feet to 6300 feet  
(perforated or open-hole, indicate which)

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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR	<i>K&amp;D</i>	LEASE		
# 3	1980' FSL & 1980' FEL	25	16S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Spud Date  
11-03-53

Surface Casing

Size: 10-3/4 " Cemented with 300 SX

TOC: Surface feet determined by calc

Hole size: 13-3/4"

Intermediate Casing

Size: 7-5/8" Cemented with 1740 SX

TOC: Surface feet determined by calc

Hole size: 9-7/8"

Long String

Size: 5-1/2" Cemented with ~~1200~~ SX

TOC: 3225 feet determined by temp survey

Hole size: 6-3/4"

Total Depth: 6300'

Injection Interval

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

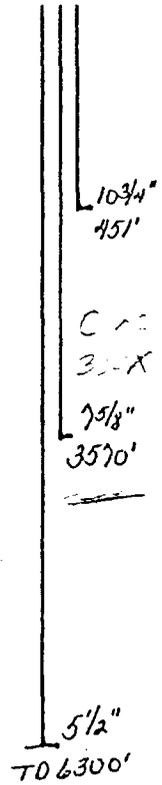
Tubing size - lined with set in a - packer

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

Other Data

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

*Handwritten notes:*  
10' 10"  
3225'  
C.C.



INJECTION WELL DATA SHEET

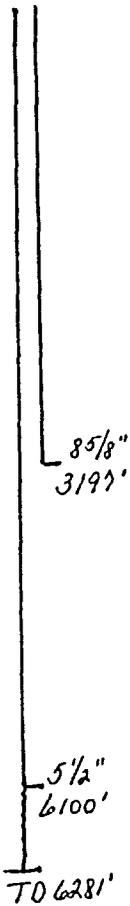
Greenhill Petroleum Corporation

Lovington Paddock

OPERATOR				LEASE
# 5	660' FSL & 1980' FWL	25	16S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Spud Date  
9-24-54



Surface Casing

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

TOC: Surface feet determined by calc

*Circ*

Hole size: 11"

Intermediate Casing

Size: Cemented with SX

TOC: feet determined by calc

Hole size:

Long String

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

TOC: 2876 feet determined by temp survey

Hole size: 7-7/8"

Total Depth: 6281'

Injection Interval

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

Tubing size - lined with - set in a - packer  
at - feet. (Or describe any other casing-tubing seal).

Other Data

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

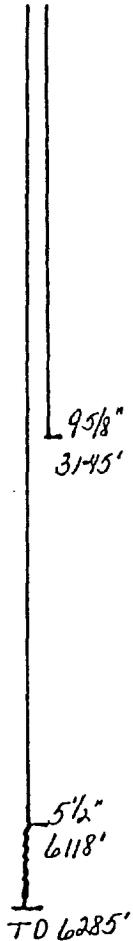
Greenhill Petroleum Corporation

Lovington Paddock

OPERATOR	LEASE		
# 6	480' FSL & 2280' FEL	25	16S 36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP RANGE

Tubular Data

Spud Date  
3-11-54



Surface Casing

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

TOC: Surface feet determined by calc

*CIRC*

Hole size: 12-3/4"

Intermediate Casing

Size: Cemented with SX

TOC: feet determined by calc

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

5909 feet to 6285 feet  
(perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with IPC set in a Guiberson packer at 5909 feet. (Or describe any other casing-tubing seal).

Other Data

- Name of the injection formation: 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
- 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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington San Andres Unit		
OPERATOR		LEASE		
#2	2130 FEL & 480 FSL	25	T16S	R36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Surface Casing

Size: 8 5/8 " Cemented with 500 SX  
 TOC: Surface feet determined by calc.  
 Hole size: 11

Intermediate Casing

Size: \_\_\_\_\_ " Cemented with \_\_\_\_\_ SX  
 TOC: \_\_\_\_\_ feet determined by \_\_\_\_\_  
 Hole Size: \_\_\_\_\_

Long String

Size: 5 1/2 " Cemented with 450 SX  
 TOC: 2168 feet determined by 80% calc  
 Hole Size: 7 7/8  
 Total Depth: 4996

Injection Interval

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

Tubing size \_\_\_\_\_ lined with \_\_\_\_\_ set in a  
 \_\_\_\_\_ (material)  
 \_\_\_\_\_ packer at \_\_\_\_\_ feet.  
 (brand & model)  
 (or describe any other casing-tubing seal).

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

Date Completed  
11/7/44

2104 4620

8 5/8  
2104

5 1/2  
4620

TD 4996

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INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington San Andres Unit		
OPERATOR		LEASE		
#1	300 FSL & 990 FEL	25	T16S	R36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Surface Casing

2096' 4629

Size: 8 5/8 " Cemented with 425 SX

475

TOC: Surface feet determined by calc

Hole size: 11

Intermediate Casing

Size: \_\_\_\_\_ " Cemented with \_\_\_\_\_ SX

TOC: \_\_\_\_\_ feet determined by \_\_\_\_\_

Hole Size: \_\_\_\_\_

Long String

Size: 5 1/2 " Cemented with 425 SX

525 - 450

TOC: 2313 feet determined by 80% calc

Hole Size: 7 7/8

Total Depth: 5060'

5 1/2 4629  
TD 5060

Injection Interval

4600' feet to 5060' feet  
(perforated or open-hole, indicate which)

Tubing size 2" lined with IPC set in a  
(material)  
\_\_\_\_\_ packer at 4575' feet.  
(brand & model)  
(or describe any other casing-tubing seal).

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

Completed  
10/4/45  
Converted to  
Injection  
6/29/65

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INJECTION WELL DATA SHEET

GREENHILL PETROLEUM CORPORATION		LOVINGTON PADDOCK		
OPERATOR # 7	330' FEL & 330' FSL	LEASE 25	16S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Spud Date  
8-1-53

Surface Casing

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

TOC: Surface feet determined by calc C/C

Hole size: 11"

Intermediate Casing

Size: \_\_\_\_\_ Cemented with \_\_\_\_\_ SX

TOC: \_\_\_\_\_ feet determined by calc

Hole Size: \_\_\_\_\_

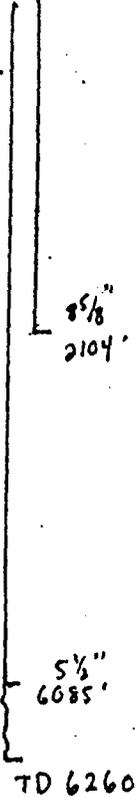
Long String

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

TOC: 4859 feet determined by 80%

Hole Size: 7-7/8"

Total Depth: 6260'



Injection Interval

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

Tubing size \_\_\_\_\_ lined with \_\_\_\_\_ set in a  
(material)  
\_\_\_\_\_ packer at \_\_\_\_\_ feet.  
(brand & model)  
(or describe any other casing-tubing seal).

Other Data

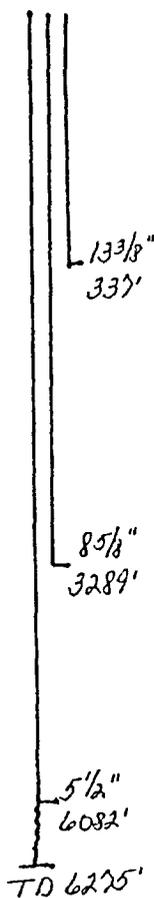
- Name of the injection formation \_\_\_\_\_
- Name of Field or Pool (if applicable) Paddock
- Is this a new well drilled for injection? No  
If no, for what purpose was the well originally drilled? Production
- Has the well ever be perforated in any other zone(s)? List all such perforated intervals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

INJECTION WELL DATA SHEET

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

Tubular Data

Spud Date  
3-17-56



Surface Casing

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

TOC: Surface feet determined by calc *Circ*

Hole size: 17 1/4

Intermediate Casing

Size: 8-5/8" Cemented with 2150 SX

TOC: Surface feet determined by calc *Circ*

Hole size: 11 1/4

Long String

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

TOC: 4430 feet determined by temp survey

Hole size: 7 7/8

Total Depth: 6275'

Injection Interval

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

Tubing size - lined with - set in a - packer

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

Other Data

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

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR	<i>1650 FSL</i>	LEASE		
#30	<i>3630' FNL &amp; 330' FEL</i>	35	16S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

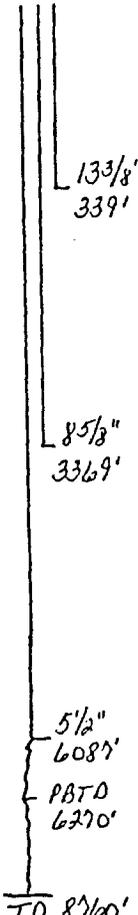
Tubular Data

Completed  
4-12-53

4/53 Plugged  
Back from Abo

Cmt 6275-6400'  
Cmt 8240-8400'  
Cmt 8600-8760'

Converted to  
Injection 12/66



Surface Casing  
Size: 13-3/8" Cemented with 350 SX  
TOC: Surface feet determined by <sup>CIRC</sup> calc

Hole size: *17 1/4*

Intermediate Casing  
Size: 8-5/8" Cemented with 400 SX  
TOC: Surface feet determined by <sup>CIRC</sup> calc

Hole size: *11*

Long String  
Size: 5-1/2" Cemented with 400 SX  
TOC: 4200 feet determined by temp survey

Hole size: 7-7/8"

Total Depth: 8760'

Injection Interval  
6087 feet to 6270 feet  
(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

- 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
  - 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

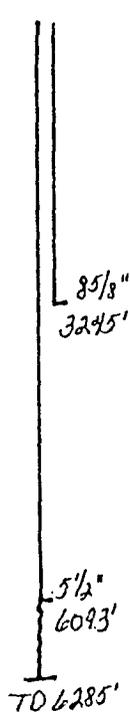
69

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR	LEASE			
#43	660' FSL & 460' FEL	35	16S	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 <sup>1750</sup> ~~gate~~ <sup>Circ</sup>  
 Hole size: //

Intermediate Casing  
 Size: Cemented with SX  
 TOC: feet determined by  
 Hole size:

Long String  
 Size: 5-1/2" Cemented with 485 SX  
 TOC: 3613 feet determined by temp survey  
 Hole size: 7 7/8

Total Depth: 6285'

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

Tubing size - lined with - set in a - packer  
 at - feet. (Or describe any other casing-tubing seal).

Other Data

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

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OK

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation

Lovington Paddock

OPERATOR	LEASE		
#44	660' FSL & 1880' FEL	35	16S 36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP RANGE

Tubular Data

Completed  
9-52

Converted to  
Injection 1/68

Surface Casing

Size: 13-3/8" Cemented with 325 SX

TOC: Surface feet determined by catc Circ

Hole size: 17-1/4"

Intermediate Casing

Size: 8-5/8" Cemented with 2150 SX

TOC: Surface feet determined by catc Circ

Hole size: 11"

Long String

Size: 5-1/2" Cemented with 740 SX

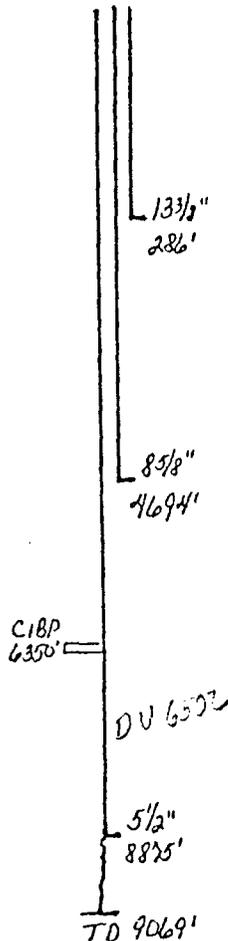
TOC: 3250 feet determined by TS 80% catc

Hole size: 7-7/8"

Total Depth: 9069'

Injection Interval

6194 feet to 6328 feet  
(perforated or open-hole, indicate which)



Tubing size 2-3/8" lined with IPC set in a - packer  
at 6164 feet. (Or describe any other casing-tubing seal).

Other Data

- 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
- 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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington San Andres Unit		
OPERATOR		LEASE		
#27	660 FEL & 660 FSL	35	T16S	R36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Surface Casing

Size: 7 5/8 " Cemented with 600 SX  
 TOC: Surface feet determined by calc  
 Hole size: 9 1/4"

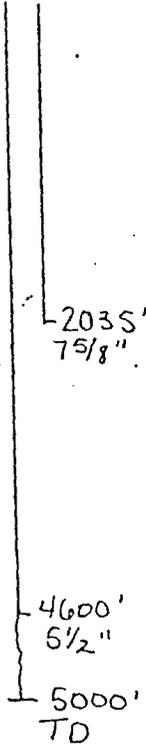
Intermediate Casing

Size: \_\_\_\_\_ " Cemented with \_\_\_\_\_ SX  
 TOC: \_\_\_\_\_ feet determined by \_\_\_\_\_  
 Hole Size: \_\_\_\_\_

Long String

Size: 5 1/2 " Cemented with 300 SX  
 TOC: 273 feet determined by 80% calc  
 Hole Size: 6 1/2"  
 Total Depth: 5000'

Completed



Injection Interval

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

Tubing size \_\_\_\_\_ lined with \_\_\_\_\_ set in a  
 \_\_\_\_\_ (material)  
 \_\_\_\_\_ packer at \_\_\_\_\_ feet.  
 (brand & model)  
 (or describe any other casing-tubing seal).

Other Data

- Name of the injection formation \_\_\_\_\_
- 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
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.  
Underlying - Grayburg

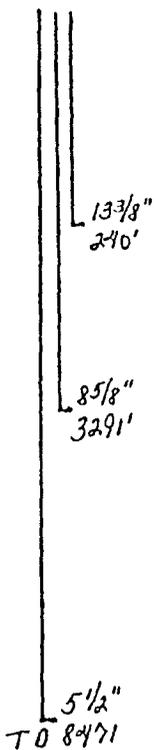
SI  
TA 4-19-87

INJECTION WELL DATA SHEET

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

Tubular Data

Completed  
12-29-52  
P&A 6-6-69



Surface Casing

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

TOC: Surface feet determined by calc

*circ*

Hole size: 18"

Intermediate Casing

Size: 8-5/8" Cemented with 1300 SX

TOC: Surface feet determined by calc

Hole size: 11"

Long String

Size: 5-1/2" Cemented with 900 SX

TOC: 3568 feet determined by 80% calc

Hole size: 7-7/8"

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? 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.

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INJECTION WELL DATA SHEET

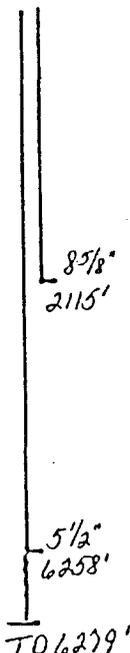
19  
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Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR	330	LEASE		
#13	880' FNL & 331' FWL	36	16S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Spud Date  
2-13-53

4-86  
Source Csg. leak  
2078-2112 w/ 200 SX  
9/81 shoot 3 holes  
at 2114 cm  
w/ 275 SX



Surface Casing

Size: 8-5/8 " Cemented with 650 SX  
 TOC: Surface feet determined by calc  
 Hole size: 12 1/2

Intermediate Casing

Size: Cemented with SX  
 TOC: feet determined by  
 Hole size:

Long String

Size: 5-1/2" Cemented with 225 SX  
 TOC: 5185 feet determined by 70% calc  
 Hole size: Est 7 7/8  
 Total Depth: 6279'

Injection Interval

6087 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).

Other Data

- 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
  - 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

INJECTION WELL DATA SHEET

20

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
#14	990 -940' FNL & 1741' FEL	36	16S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Spud Date  
10-27-53



Surface Casing

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

TOC: Surface feet determined by calc *Circ*

Hole size: //

Intermediate Casing

Size: Cemented with SX

TOC: feet determined by

Hole size:

Long String

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

TOC: 3918 feet determined by temp survey

Hole size: 7 7/8

Total Depth: 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

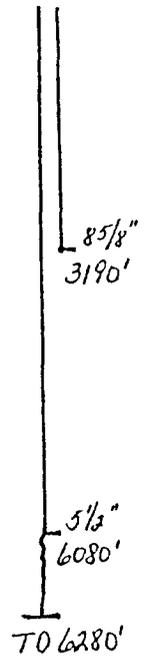
- Name of the injection formation:
  - Name of Field or Pool (If applicable) Paddock
  - Is this a new well drilled for Injection? No  
If no, for what purpose was the well originally drilled? Production
  - Has the well ever been perforated in any other zone(s)? List all such perforated intervals and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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
#15	810' FNL & 2130' FWL	36	16S	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: //

Intermediate Casing

Size: Cemented with SX  
 TOC: feet determined by  
 Hole size:

Long String

Size: 5-1/2" Cemented with 585 SX  
 TOC: 3765 feet determined by temp survey  
 Hole size: 7 7/8  
 Total Depth: 6280'

Injection Interval

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

Tubing size 2-3/8" lined with IPC set in a - packer  
 at 6018 feet. (Or describe any other casing-tubing seal).

Other Data

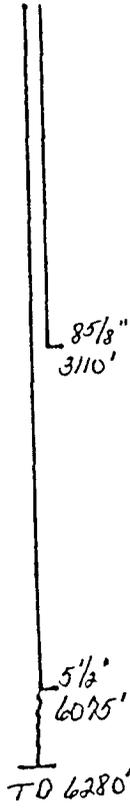
- Name of the injection formation: Paddock
- Name of Field or Pool (If applicable) Paddock
- Is this a new well drilled for Injection? No  
 If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		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

TOC: Surface feet determined by ~~calc~~ Circ

Hole size: //

Intermediate Casing

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: 7 1/2

Total Depth: 6280'

Injection Interval

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

Tubing size - lined with - set in a - packer

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

Other Data

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

INJECTION WELL DATA SHEET

26

Greenhill Petroleum Corporation

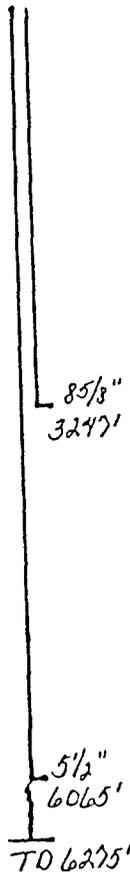
Lovington Paddock

OPERATOR	LEASE	
#19	1980' FNL & 990' FWL	36 16S 36E
WELL NO.	FOOTAGE LOCATION	SEC. TOWNSHIP RANGE

Tubular Data

Spud Date  
4-27-54

Converted  
to Injection  
3/74



Surface Casing

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

TOC: Surface feet determined by calc *Circ*

Hole size: //

Intermediate Casing

Size: Cemented with SX

TOC: feet determined by

Hole size:

Long String

Size: 5-1/2" Cemented with 585 SX *465*

TOC: 3964 feet determined by temp survey

Hole size: *7 1/8*

Total Depth: 6275'

Injection Interval

6065 feet to 6275 feet  
(perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with IPC set in a - packer  
at 6076 feet. (Or describe any other casing-tubing seal).

Other Data

- 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
  - 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

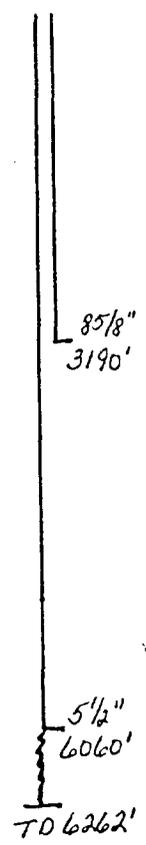
INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
#20	1830' FNL & 2130' FWL	36	16S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Spud Date  
3-24-54

Converted  
to Injection  
3/74



Surface Casing

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

TOC: Surface feet determined by calc *Circ*

Hole size: //

Intermediate Casing

Size: Cemented with SX

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: 7 1/2

Total Depth: 6262'

Injection Interval

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

Tubing size - lined with - set in a - packer

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

Other Data

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

I

29

INJECTION WELL DATA SHEET

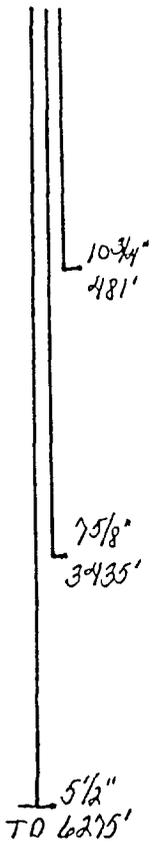
Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
#21	2190' FNL & 1980' FEL	36	16S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Spud Date  
7-26-53

Converted  
to Injection  
2/73

5 1/2" liner  
3312-6275  
20/180 SX  
3000' to 4050' of 5000'



Surface Casing

Size: 10-3/4" Cemented with 500 SX  
TOC: Surface feet determined by calc *CIRC*  
Hole size: 15

Intermediate Casing

Size: 7-5/8" Cemented with 1000 SX  
TOC: Surface feet determined by calc  
Hole size: 9 7/8

Long String

Size: 5-1/2" Cemented with 630 SX  
TOC: 3638 feet determined by temp survey  
Hole size: 6 7/8

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

- 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
  - 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

INJECTION WELL DATA SHEET

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

Tubular Data

Spud Date  
9-10-52

Surface Casing

Size: 10-3/4" Cemented with 400 SX

TOC: Surface feet determined by calc

Hole size: 13 3/8"

Intermediate Casing

Size: 7-5/8" Cemented with 2014 SX

TOC: Surface feet determined by calc

Hole size: 9 7/8"

Long String

Size: 5-1/2" Cemented with 600 SX

TOC: 3581 feet determined by temp survey

Hole size: 6 3/4"

Total Depth: 6350' 8603

Injection Interval

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

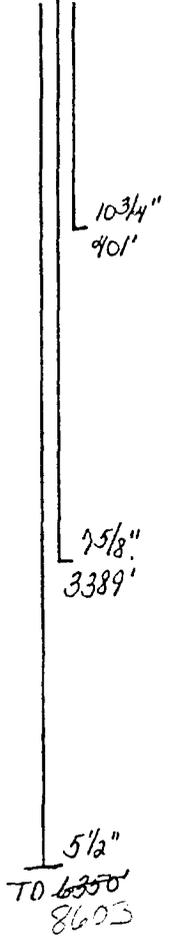
Tubing size - lined with - set in a - packer  
at - feet. (Or describe any other casing-tubing seal).

Other Data

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

5 1/2 lines  
3273 - 6350

175'  
plug back from 8603  
1145' 5602 - 817  
600' 6303 - 6764  
45' 6464 - 6303  
Drill out to 6350



I

59  
P

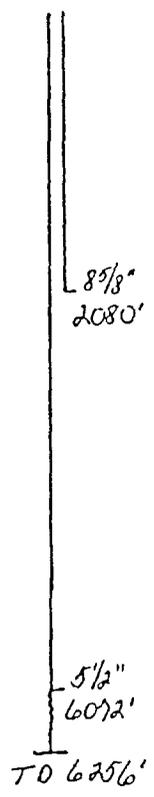
INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
#29	2130' FSL & 2130' FWL	36	16S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
10-11-53

Converted to  
Injection 10/75



Surface Casing

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

TOC: Surface feet determined by ~~gate~~ Circ

Hole size: 11"

Intermediate Casing

Size: Cemented with SX

TOC: feet determined by

Hole size:

Long String

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

TOC: <sup>5205</sup> ~~4574~~ feet determined by <sup>Temp. Survey</sup> ~~80% gate~~

Hole size: 7-7/8"

Total Depth: 6256'

Injection Interval

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

Tubing size 2-3/8" lined with IPC set in a - packer  
at 5992 feet. (Or describe any other casing-tubing seal).

Other Data

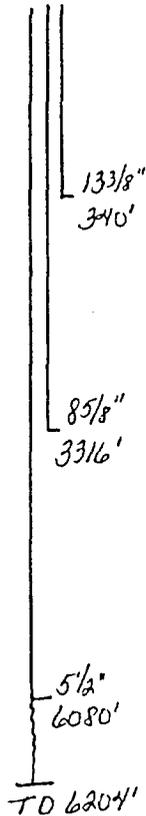
- Name of the injection formation: Paddock
- Name of Field or Pool (If applicable) Paddock
- Is this a new well drilled for Injection? No  
If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
#31	1650' FSL & 890' FWL	36	16S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Spud Date  
12-16-53



Surface Casing

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

TOC: Surface feet determined by ~~catc~~ *Circ 300 SX*

Hole size:

Intermediate Casing

Size: 8-5/8" Cemented with 2300 SX

TOC: Surface feet determined by ~~catc~~ *Circ 300 SX*

Hole size:

Long String

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

TOC: 4350 feet determined by temp survey

Hole size:

Total Depth: 6204'

Injection Interval

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

Tubing size - lined with - set in a - packer

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

Other Data

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

INJECTION WELL DATA SHEET

55

P?

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
#32	1750' FSL & 1650' FEL	36	16S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Spud Date  
3-19-53

Surface Casing

Size: 8-5/8" Cemented with 1000 SX

TOC: Surface feet determined by catc *Circ*

Hole size: //

Intermediate Casing

Size: Cemented with SX

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: *7 1/2*

Total Depth: 6229'

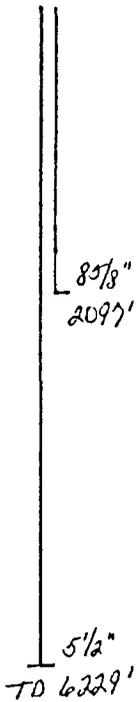
Injection Interval

- 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

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



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INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR	<i>H30</i>	LEASE		
#33	1650' FSL & 400' FEL	36	16S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

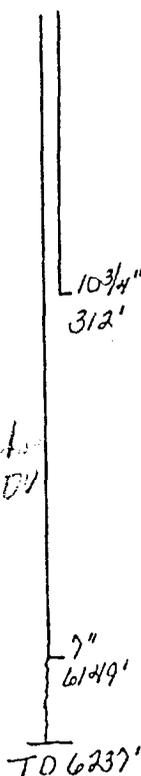
Tubular Data

Completion  
2-2-53

Deepened for  
Inj. 12/66  
6150-6237'

Converted to  
Injection 12/66

*DV*  
*1979*  
*3000' to 6150' DV*  
*12/66 - DV*



Surface Casing

Size: ~~8-5/8~~" Cemented with 250 SX

TOC: Surface feet determined by *calc* *Circ*

Hole size: *13 3/4*

Intermediate Casing

Size: Cemented with SX

TOC: feet determined by

Hole size:

Long String

Size: 7" Cemented with 400 SX

TOC: 3636 feet determined by 80% calc

Hole size: 8-3/4"

Total Depth: 6237'

Injection Interval

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

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

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

Other Data

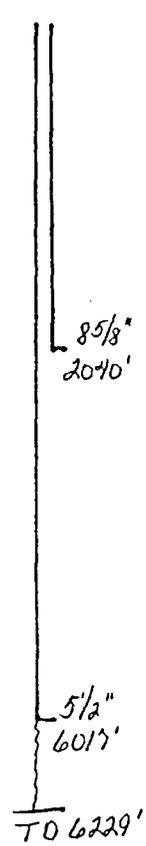
- Name of the injection formation: Paddock
- Name of Field or Pool (If applicable) Paddock
- Is this a new well drilled for Injection? No  
If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals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

INJECTION WELL DATA SHEET

77  
P

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

Tubular Data



Surface Casing

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

TOC: Surface feet determined by calc *Circ*

Hole size: //

Intermediate Casing

Size: Cemented with SX

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: *7 7/8*

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

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

I

75

P

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
#40	1980' FEL & 810' FSL	36	16S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
10-07-53



Surface Casing

Size: 8-5/8" Cemented with 850 SX  
TOC: Surface feet determined by calc  
Hole size: 11"

Intermediate Casing

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 7/8"

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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
#41	810' FSL & 2130' FWL	36	16S	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 ~~catc~~ *Circ*

Hole size:

Intermediate Casing

Size: Cemented with SX

TOC: feet determined by

Hole size:

Long String

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

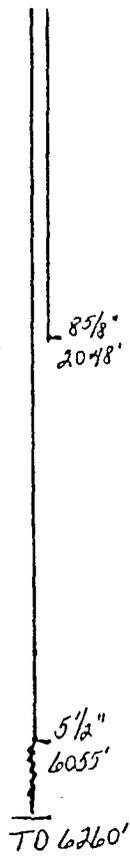
TOC: 4700 feet determined by temp survey

Hole size:

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).  
No
5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.  
Above Glorieta

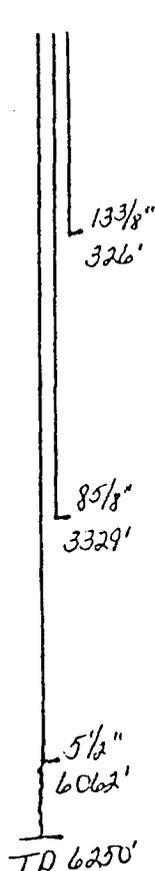
INJECTION WELL DATA SHEET

70

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
#42	990' FWL & 660' FSL	36	16S	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

Hole size: 17 1/4

Intermediate Casing

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

TOC: Surface feet determined by calc C.I.C

Hole size: 11-1/4"

Long String

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

TOC: 3883 feet determined by 80% calc

Hole size: 7-7/8"

Total Depth: 6250'

Injection Interval

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

- 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
- 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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corp. OPERATOR State "R" Lease Lovington Paddock Unit

83 WELL NO. 2310 FWL c 1650 FSL FOOTAGE LOCATION Sec 36 T14S-R36E SEC. TOWNSHIP RANGE

Tubular Data

Surface Casing

Size: 1 3/8" Cemented with 245 SX

TOC: surface feet determined by calc

Hole size: 1 8

Intermediate Casing

Size: 8 5/8" Cemented with 1200 SX

TOC: surface feet determined by 50% calc

Hole Size: 11

Long String

Size: 5 1/2" Cemented with 900 SX

TOC: 3551 feet determined by 80% calc

Hole Size: 7 7/8

Total Depth: 8454

Injection Interval

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

Tubing size lined with (material) set in a

(brand & model) 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

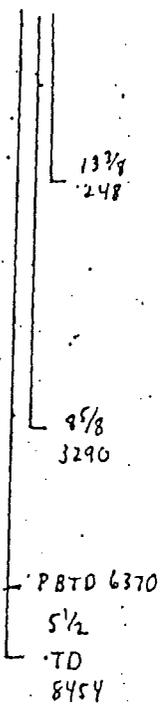
3. Is this a new well drilled for injection? No If no, for what purpose was the well originally drilled? production

4. Has the well ever be perforated in any other zone(s)? List all such perforated intervals and give plugging detail (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 Glorietta

Completed 10/31/52 CIBP Set 6400 New PBTD 6370 1/20/86



INJECTION WELL DATA SHEET

Greenhill Petroleum Corp.		Lovington Paddock		
OPERATOR		LEASE		
84	1100 FEL & 2285 FSL	36	T16S-R36E	
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Surface Casing

Size: 13 3/8 " Cemented with 500 SX  
 TOC: Surface feet determined by calc  
 Hole size: 17 1/2

Intermediate Casing

Size: 8 5/8 " Cemented with 1200 SX  
 TOC: Surface feet determined by 50% calc  
 Hole Size: 11

Long String

Size: 5 1/2 " Cemented with 1040 SX  
 TOC: 788 feet determined by 80% calc  
 Hole Size: 7 7/8

Total Depth: 6470

Injection Interval

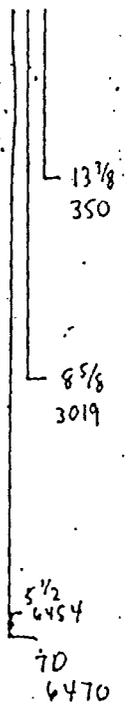
\_\_\_\_\_ feet to \_\_\_\_\_ feet  
(perforated or open-hole, indicate which)

Tubing size \_\_\_\_\_ lined with \_\_\_\_\_ set in a  
 \_\_\_\_\_ (material)  
 \_\_\_\_\_ packer at \_\_\_\_\_ feet.  
 (brand & model)  
 (or describe any other casing-tubing seal).

Other Data

- Name of the injection formation \_\_\_\_\_
- 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? prod
- 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).  
\_\_\_\_\_
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.  
(Above) Glorieta

comp. - 4/5/90



INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington San Andres Unit		
OPERATOR		LEASE		
#4	660 FNL & 1980 FEL	36	T16S	R36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Surface Casing

Size: 13 " Cemented with 200 SX

TOC: Surface feet determined by calc.

Hole size: 14 3/4

Intermediate Casing

Size: 9 5/8 " Cemented with 500 SX

TOC: Surface feet determined by calc

Hole Size: 11 1/4

Long String

Size: 7 " Cemented with 300 SX

TOC: 1910' feet determined by 80% calc.

Hole Size: 8 1/4

Total Depth: 5012'

Injection Interval

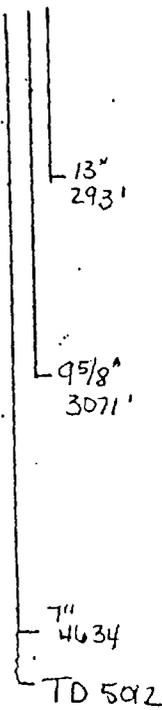
4634 feet to 5012 feet  
(perforated or open-hole, indicate which)

Tubing size 2 3/8 lined with IPC set in a  
(material)  
packer at 4586 feet,  
(brand & model)  
(or describe any other casing-tubing seal).

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

Completed  
1/3/39  
Converted to  
Injection  
3/28/63



INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington San Andres Unit		
OPERATOR		LEASE		
#9	1980 FNL & 660 FEL	36	T16S	R36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Surface Casing

Size: 13" Cemented with <sup>200</sup>~~250~~ SX

TOC: Surface feet determined by <sup>Circ.</sup> calc

Hole size: ~~17 1/4~~ 15

Intermediate Casing

Size: 8 5/8" Cemented with <sup>500</sup>250 SX

TOC: 1924 feet determined by 50% calc

Hole Size: 12

Long String

Size: 7" Cemented with <sup>200</sup>250 SX

TOC: 3074 feet determined by 80% calc

Hole Size: 8 3/4

Total Depth: 5100'

Injection Interval

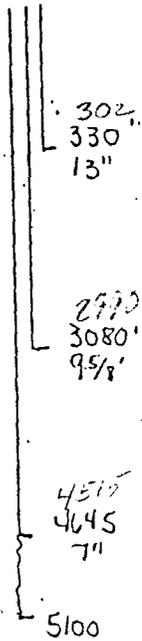
\_\_\_\_\_ feet to \_\_\_\_\_ feet  
(perforated or open-hole, indicate which)

Tubing size \_\_\_\_\_ lined with \_\_\_\_\_ set in a  
(material)  
\_\_\_\_\_ packer at \_\_\_\_\_ feet.  
(brand & model)  
(or describe any other casing-tubing seal).

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

Completed  
9/23/39



INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington San Andres Unit		
OPERATOR		LEASE		
#11	1980 FNL & 1980 FWL	36	T16S	R36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Surface Casing

Size: 13 " Cemented with 25 SX

TOC: Surface feet determined by calc

Hole size: 15

Intermediate Casing

Size: 8 5/8 " Cemented with 500 SX

TOC: 555 feet determined by 50% calc

Hole Size: 10 1/4

Long String

Size: 5 1/2 " Cemented with 200 SX

TOC: 649 feet determined by 80% calc

Hole Size: 6 1/4"

Total Depth: 4996'

Injection Interval

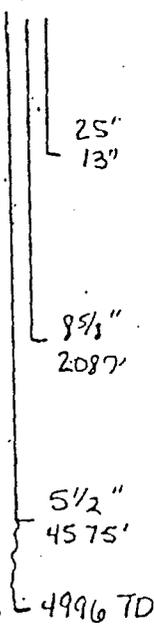
         feet to          feet  
(perforated or open-hole, indicate which)

Tubing size          lined with          set in a  
         (material)  
         packer at          feet.  
(brand & model)  
(or describe any other casing-tubing seal).

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

Completed  
1/40

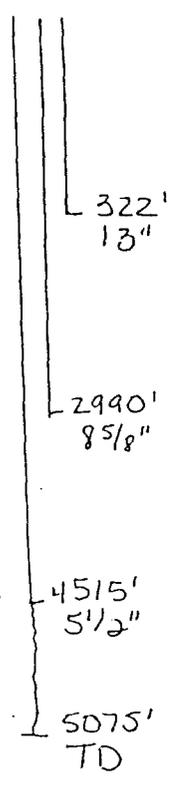


INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington San Andres		
OPERATOR		LEASE		
#24	660' FEL & 660' FSL	36	16S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
9-8-39



Surface Casing

Size: 13 " Cemented with 250 SX  
 TOC: Surface feet determined by circ  
 Hole size: 17-1/4" 15

Intermediate Casing

Size: 8-5/8 " Cemented with 500 SX  
 TOC: 1458 feet determined by calc  
 Hole Size: 12-1/4" 7 1/2

Long String

Size: 5-1/2 " Cemented with 250 SX  
 TOC: 3145 feet determined by calc  
 Hole Size: 7-7/8" 6 1/2

Total Depth: 5075'

Injection Interval

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

Tubing size \_\_\_\_\_ lined with \_\_\_\_\_ set in a  
 \_\_\_\_\_ (material)  
 \_\_\_\_\_ packer at \_\_\_\_\_ feet.  
 (brand & model)  
 (or describe any other casing-tubing seal).

Other Data

- Name of the injection formation \_\_\_\_\_
- 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
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.  
Underlying-Grayburg

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington San Andres Unit		
OPERATOR		LEASE		
#26	660 FSL & 1980 FWL	36	T16S	R36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Surface Casing

Size: 13 " Cemented with 200 SX  
 TOC: Surface feet determined by Circ  
 Hole size: 15"

Intermediate Casing

Size: 8 5/8 " Cemented with 400 SX  
 TOC: 390 feet determined by 70% calc  
 Hole Size: 9 7/8" 1 1/2

Long String

Size: 5 1/2 " Cemented with 200 SX  
 TOC: 3200' est. feet determined by calc  
 Hole Size: 6 3/4"

Total Depth: 5128'

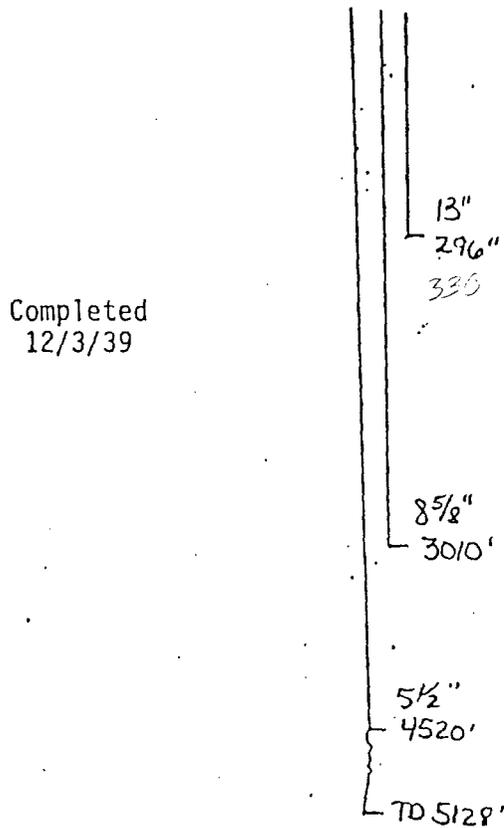
Injection Interval

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

Tubing size                      lined with                      set in a  
                     (material)  
                     packer at                      feet.  
 (brand & model)  
 (or describe any other casing-tubing seal).

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



F

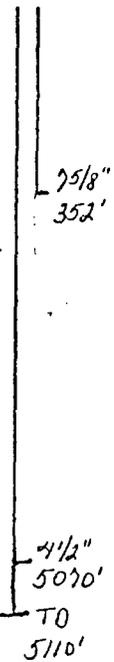
INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington San Andres		
OPERATOR		LEASE		
#54	1980' FSL & 1980' FEL	36	16S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Spud 1-7-63

May 27  
 4 1/2" Casing  
 1-11-63  
 844  
 1506 & 1608  
 200



Surface Casing

Size: 7-5/8 " Cemented with 240 SX

TOC: Surface feet determined by calc Circ

Hole size: 9-7/8"

Intermediate Casing

Size: \_\_\_\_\_ " Cemented with \_\_\_\_\_ SX

TOC: \_\_\_\_\_ feet determined by \_\_\_\_\_

Hole Size: \_\_\_\_\_

Long String

Size: 4-1/2 " Cemented with 235 SX

TOC: 2314 feet determined by Temp survey

Hole Size: 6-3/4"

Total Depth: 5110'

Injection Interval

4662 feet to 5037 feet  
(perforated or open-hole, indicate which)

Tubing size 2" lined with IPC set in a  
 \_\_\_\_\_ (material)  
 \_\_\_\_\_ ? packer at 4579 feet.  
 (brand & model)  
 (or describe any other casing-tubing seal).

Other Data

- Name of the injection formation San Andres
- Name of Field or Pool (If applicable) \_\_\_\_\_
- Is this a new well drilled for injection? Yes  
If no, for what purpose was the well originally drilled? \_\_\_\_\_
- 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).  
\_\_\_\_\_
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.  
\_\_\_\_\_

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington San Andres		
OPERATOR		LEASE		
#59	1980' FSL & 660' FWL	36	16S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
6-29-65



Surface Casing

Size: 8-5/8 " Cemented with 825 SX  
 TOC: Surface feet determined by circ  
 Hole size: 11"

Intermediate Casing

Size: 8 7/8 " Cemented with 825 SX  
 TOC: 2064' feet determined by circ  
 Hole Size: \_\_\_\_\_

Long String

Size: 4-1/2 " Cemented with 450 SX  
 TOC: 3581 feet determined by Temporarily calc  
 Hole Size: 7-7/8"  
 Total Depth: 5060

Injection Interval

4666 feet to 5034 feet  
 (perforated or open-hole, indicate which)

Tubing size 2" lined with IPC set in a  
 (material)  
Halliburton R-3 Tension packer at 4619 feet.  
 (brand & model)  
 (or describe any other casing-tubing seal).

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

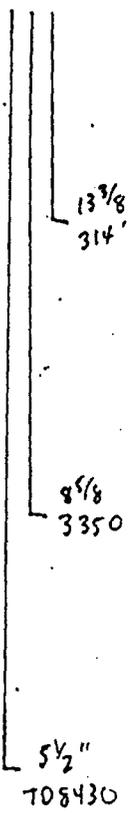
71  
P

INJECTION WELL DATA SHEET

Penroc	State AF		
OPERATOR	LEASE		
	330 FSL - 990 FWL		
1	4950' FNL & 4290' FEL	36	16S 36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP RANGE

Tubular Data

Completed  
11-1-52



Surface Casing

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

TOC: Surface feet determined by calc <sup>CIRC</sup>

Hole size: 17-1/4"

Intermediate Casing

Size: 8-5/8 " Cemented with 1900 SX

TOC: Surface feet determined by calc <sup>CIRC</sup>

Hole Size: 11"

Long String

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

TOC: 6251 feet determined by 80% calc

Hole Size: 7-7/8"

Total Depth: 8430'

Injection Interval

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

Tubing size \_\_\_\_\_ lined with \_\_\_\_\_ set in a  
(material)  
\_\_\_\_\_ packer at \_\_\_\_\_ feet.  
(brand & model)  
(or describe any other casing-tubing seal).

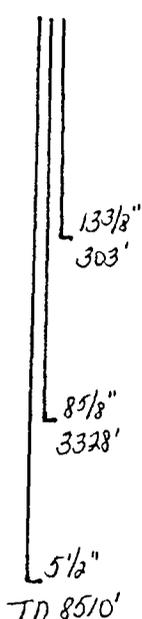
Other Data

- Name of the injection formation \_\_\_\_\_
- Name of Field or Pool (IF applicable) Lovington Abo
- Is this a new well drilled for injection? No  
If no, for what purpose was the well originally drilled? Production
- Has the well ever be perforated in any other zone(s)? List all such perforated intervals 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 this area.  
Above Drinkard

INJECTION WELL DATA SHEET

<del>Cities Service</del> <u>Penroc</u>		State AE		
OPERATOR		LEASE		
2Y	1420' FSL & 990' FWL	36	16S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data



Surface Casing

Size: 13-3/8" Cemented with 350 SX  
 TOC: Surface feet determined by calc <sup>CIRC</sup>

Hole size: 17-1/2"

Intermediate Casing

Size: 8-5/8" Cemented with 1800 SX  
 TOC: Surface feet determined by calc <sup>CIRC</sup>

Hole size: 12-1/4"

Long String

Size: 5-1/2" Cemented with 1330 SX  
 TOC: <sup>360'</sup> 1265 feet determined by <sup>Turn 2 1/2</sup> ~~80%~~ calc

Hole size: 7-7/8"

Total Depth: 8510'

Injection Interval

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

Tubing size - lined with - set in a - packer

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

Other Data

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

(Above) Drinkard



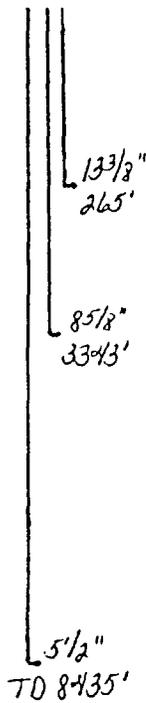
INJECTION WELL DATA SHEET

76

Texaco		Skelly "Q" State		
OPERATOR		LEASE		
4	330' FSL & 1650' FEL	36	16S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
4-23-52



Surface Casing

Size: 13-3/8" Cemented with 265 SX  
 TOC: Surface feet determined by <sup>CIRC</sup> calc  
 Hole size: 18"

Intermediate Casing

Size: 8-5/8" Cemented with 800 SX  
 TOC: ~~798~~ <sup>Surface</sup> feet determined by <sup>CIRC</sup> 50% calc  
 Hole size: 11"

Long String

Size: 5-1/2" Cemented with 800 SX  
 TOC: 4077 feet determined by 80% calc  
 Hole size: 7-7/8"  
 Total Depth: 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

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

(Above) Drinkard

SI  
7.6.79

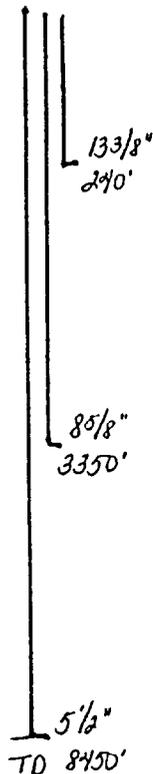
74

INJECTION WELL DATA SHEET

Texaco		State "R"		
OPERATOR		LEASE		
5	330' FSL & 2310' FWL	36	16S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
6-30-52



Surface Casing

Size: 13-3/8" Cemented with 245 SX  
 TOC: Surface feet determined by calc  
 Hole size: 18"

Intermediate Casing

Size: 8-5/8" Cemented with 800 SX  
 TOC: 900 feet determined by 50% calc  
 Hole size: 12-1/4"

Long String

Size: 5-1/2" Cemented with 800 SX  
 TOC: 4093 feet determined by 80% calc  
 Hole size: 7-7/8"  
 Total Depth: 8450'

Injection Interval

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

Tubing size - lined with - set in a - packer  
 at - feet. (Or describe any other casing-tubing seal).

Other Data

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

(Above) Drinkard

INJECTION WELL DATA SHEET

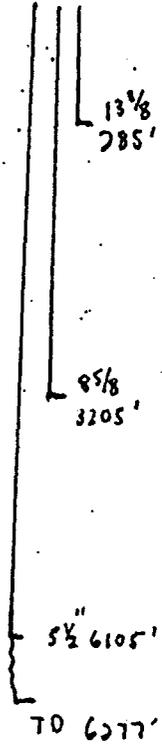
Greenhill Petroleum Corporation

Lovington Paddock

OPERATOR	LEASE			
# 1	1655' FSL & 330' <sup>FWL</sup> FEL	30	16S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
8-25-54



Surface Casing

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

TOC: Surface feet determined by calc

Hole size: 15"

Intermediate Casing

Size: 8-5/8 " Cemented with 1600 SX

TOC: Surface feet determined by calc

Hole Size: 10-3/4"

Long String

Size: 5-1/2 " Cemented with 425 SX

TOC: 4080 feet determined by 70%

Hole Size: 7-7/8"

Total Depth: 6277'

Injection Interval

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

Tubing size \_\_\_\_\_ lined with \_\_\_\_\_ set in a  
(material)  
\_\_\_\_\_ packer at \_\_\_\_\_ feet.  
(brand & model)  
(or describe any other casing-tubing seal).

Other Data

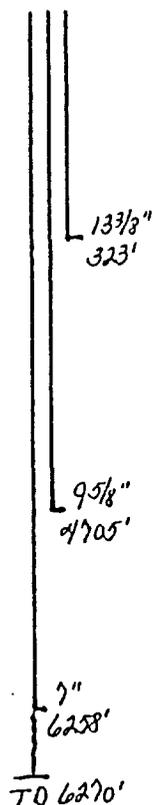
- Name of the injection formation \_\_\_\_\_
- Name of Field or Pool (If applicable) Paddock
- Is this a new well drilled for injection? No  
If no, for what purpose was the well originally drilled? Production
- Has the well ever be perforated in any other zone(s)? List all such perforated intervals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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
# 8	660' FSL & 660' FWL	30	16S	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 <sup>CIRC</sup> calc  
 Hole size: 17-1/4"

Intermediate Casing

Size: 9-5/8" Cemented with 2700 SX  
 TOC: Surface feet determined by calc  
 Hole size: 12-1/4"

Long String

Size: 7" Cemented with 450 SX  
 TOC: 4113 feet determined by 70% calc  
 Hole size: 8-3/4"  
 Total Depth: 6270'

Injection Interval

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

Tubing size 2-3/8" lined with IPC set in a Howco packer at 6076 feet. (Or describe any other casing-tubing seal).

Other Data

- 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
  - 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

INJECTION WELL DATA SHEET

Tipperary Oil & Gas Corp      Monson to 30 St  
 OPERATOR      LEASE  
1      6605 1980 E      30      16S      37E  
 WELL NO.      FOOTAGE LOCATION      SECTION      TOWNSHIP      RANGE

Schematic

4 1/2 8 5/8 13 7/8

Tabular Data

Surface Casing  
 Size 13 7/8 "      Cemented with 405 sx.  
 TOC Surface feet determined by Circ  
 Hole size 17 1/2

Intermediate Casing  
 Size 8 5/8 "      Cemented with 1575 sx.  
 TOC Surface feet determined by Circ  
 Hole size 11

Long string  
 Size 4 1/2 "      Cemented with 1450 sx.  
 TOC 4350 feet determined by file  
 Hole size 7 7/8  
 Total depth 11350

Injection interval  
 \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 (perforated or open-hole, indicate which)

405  
 4215  
 8826  
 ID 11350

Tubing size \_\_\_\_\_ lined with \_\_\_\_\_ set in a  
 \_\_\_\_\_ (material)  
 \_\_\_\_\_ packer at \_\_\_\_\_ feet  
 \_\_\_\_\_ (brand and model)  
 (or describe any other casing-tubing seal).

Other 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 intervals 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 this area. \_\_\_\_\_

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
# 10	660' FNL & 2440' FEL	31	16S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Spud Date  
8-11-54

Surface Casing

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

TOC: Surface feet determined by Circ. calc.

Hole size: 11"

Intermediate Casing

Size:          " Cemented with          SX

TOC:          feet determined by         

Hole Size:         

Long String

Size: 5-1/2" " Cemented with 300 SX

TOC: 4470 feet determined by 80% calc.

Hole Size: 7-7/8"

Total Depth: 6260'

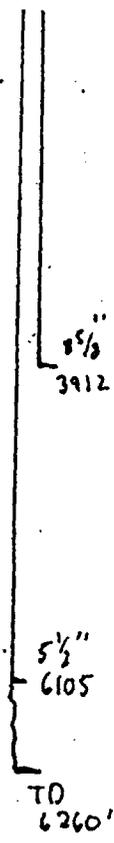
Injection Interval

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

Tubing size          lined with          set in a  
         (material)  
         packer at          feet.  
(brand & model)  
(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation
- Name of Field or Pool (If applicable) Paddock
- Is this a new well drilled for injection? No  
If no, for what purpose was the well originally drilled? Production
- Has the well ever 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
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.  
Above Glorieta



J

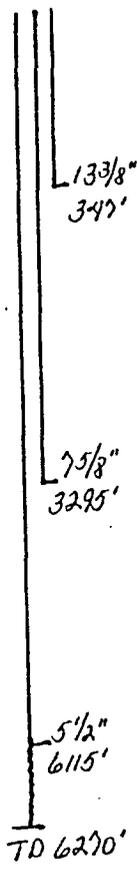
INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
#11	940' FNL & 1980' FWL	31	16S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Spud Date  
9-01-53

Converted to  
Injection  
12/66



Surface Casing

Size: 13-3/8 " Cemented with 330 SX

TOC: Surface feet determined by calc

Hole size: 17-1/4"

Intermediate Casing

Size: 7-5/8" Cemented with 2230 SX

TOC: Surface feet determined by calc

Hole size: 11"

Long String

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

TOC: 4208 feet determined by 70% calc

Hole size: 7-7/8"

Total Depth: 6270'

Injection Interval

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

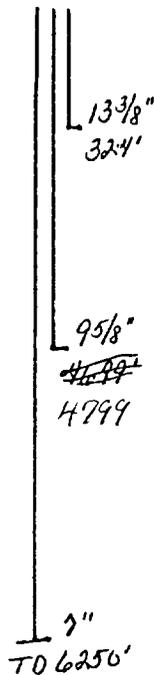
1. Name of the injection formation: Paddock
2. Name of Field or Pool (If applicable) Paddock
3. Is this a new well drilled for Injection? No  
If no, for what purpose was the well originally drilled? Production
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
#12	781' FNL & 660' FWL	31	16S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Spud Date  
4-05-53



Surface Casing

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

TOC: Surface feet determined by <sup>CIRC</sup> calc

Hole size: 17 1/4

Intermediate Casing

Size: 9-5/8" Cemented with 2600 SX

TOC: 310 feet determined by calc Temp Survey

Hole size: 12 1/4

Long String

Size: 7" Cemented with 450 SX

TOC: 2675 feet determined by 70% calc

Hole size: 8 1/4

Total Depth: 6250'

Injection Interval

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

Tubing size - lined with - set in a - packer  
at - feet. (Or describe any other casing-tubing seal).

Other Data

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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR	2321.9	LEASE		
#23	2392' FNL & 750' FWL	31	16S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

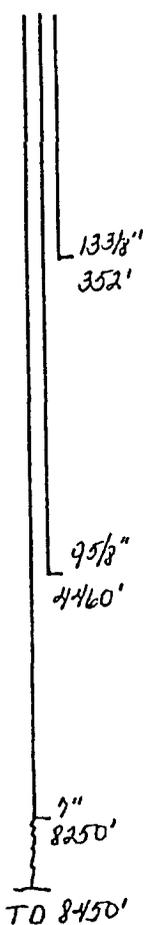
Tubular Data

Spud Date  
3-29-52

Converted  
to Injection  
2/73

CIBP 6310'

Cmt. to 6300'



Surface Casing  
Size: 13-3/8" Cemented with 350 SX  
TOC: Surface feet determined by calc  
Hole size:

Intermediate Casing  
Size: 9-5/8" Cemented with 2250 SX  
TOC: Surface feet determined by calc  
Hole size:

Long String  
Size: 7" Cemented with 500 SX  
TOC: 2250 feet determined by temp survey ?  
Hole size:

Total Depth: 8450'

Injection Interval  
6120 feet to 6170 feet  
(perforated or open-hole, indicate which)

17" liner  
4171-8250

Tubing size 2-3/8" lined with IPC set in a - packer  
at 6089 feet. (Or describe any other casing-tubing seal).

Other Data

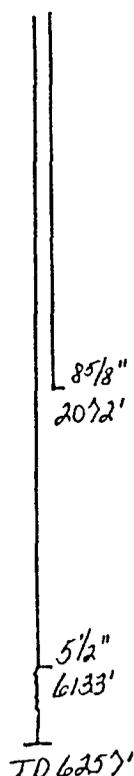
1. Name of the injection formation: Paddock
  2. Name of Field or Pool (If applicable) Paddock
  3. Is this a new well drilled for Injection? No  
If no, for what purpose was the well originally drilled? Production
  4. Has the well ever been perforated in any other zone(s)? List all such perforated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

## INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
#24	2310' FNL & 1968' FWL	31	16S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Spud Date  
9-12-53

Surface Casing

Size: 8-5/8" Cemented with 950 SX

TOC: Surface feet determined by calc

Hole size: / /

Intermediate Casing

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

Hole size: 7 7/8

Total Depth: 6257'

Injection Interval

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

Tubing size - lined with - set in a - packer

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

Other Data

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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation

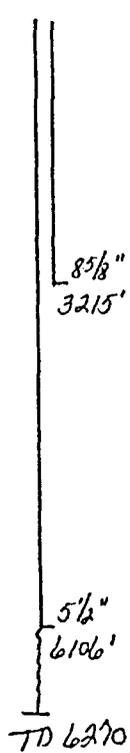
Lovington Paddock

OPERATOR		LEASE		
#25	2130' FNL & 1980' <del>FNL</del> <sup>FEL</sup>	31	16S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Spud Date  
11-16-54

Converted  
to Inj.  
12/54



Surface Casing

Size: 8-5/8" Cemented with 1550 SX  
 TOC: Surface feet determined by calc  
 Hole size: //

Intermediate Casing

Size: Cemented with SX  
 TOC: feet determined by  
 Hole size:

Long String

Size: 5-1/2" Cemented with 450 SX  
 TOC: 4160 feet determined by temp survey  
 Hole size: 7 7/8

Total Depth: 6270'

Injection Interval

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

Tubing size 2-3/8" lined with IPC set in a - packer  
 at 6043 feet. (Or describe any other casing-tubing seal).

Other Data

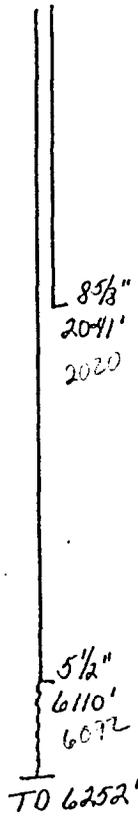
- Name of the injection formation: Paddock
  - Name of Field or Pool (If applicable) Paddock
  - Is this a new well drilled for Injection? No  
 If no, for what purpose was the well originally drilled? Production
  - Has the well ever been perforated in any other zone(s)? List all such perforated intervals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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
#26	2130' FSL & 2160' FEL	31	16S	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 <sup>Circ</sup>

Hole size:

Intermediate Casing

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

Hole size:

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

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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation

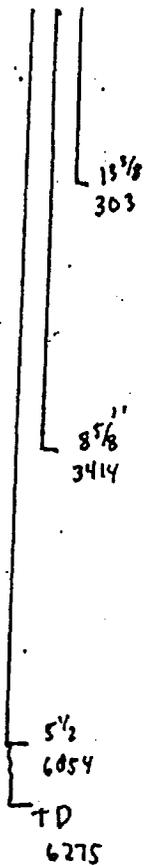
Lovington Paddock

OPERATOR	LEASE		LEASE	
# 27	1960' FWL & 1980' FSL	31	16S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completion  
6-16-53

Converted to  
Injection  
6/67



Surface Casing

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

TOC: Surface feet determined by Circ calc

Hole size: 17-1/4"

Intermediate Casing

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

TOC: 656 feet determined by 50% calc

Hole Size: 11"

Long String

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

TOC: 4692 43/6 feet determined by TS 80% calc

Hole Size: 7-7/8"

Total Depth: 6275'

Injection Interval

6080 feet to 6275 feet  
(perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with IPC (material) set in a  
6000 feet.  
 (brand & model)  
 (or describe any other casing-tubing seal).

Other Data

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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
#28	2108' FSL & 624' FWL	31	16S	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 1/4

Intermediate Casing

Size: Cemented with SX

TOC: feet determined by

Hole size:

Long String

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

TOC: 3869 feet determined by 70% calc

Hole size: 7 1/2

Total Depth: 6252'

9 5/8"  
2022'

5 1/2"  
TD 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

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

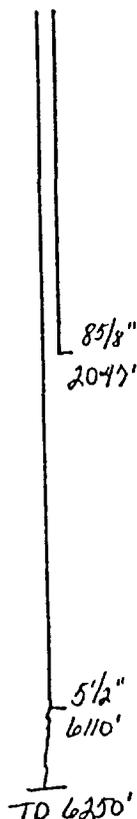
41

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
#34	1830' FSL & 660' FEL	31	16S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Spud Date  
2-10-54



Surface Casing

Size: 8-5/8" Cemented with 1075 SX

TOC: Surface feet determined by <sup>CIRC</sup> calc

Hole size: //

Intermediate Casing

Size: Cemented with SX

TOC: feet determined by

Hole size:

Long String

Size: 5-1/2" Cemented with 535 SX

TOC: 3257 feet determined by temp survey

Hole size: 7 1/2

Total Depth: 6250'

Injection Interval

6110 feet to 6250 feet  
(perforated or open-hole, indicate which)

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

at 6075 feet. (Or describe any other casing-tubing seal).

Other Data

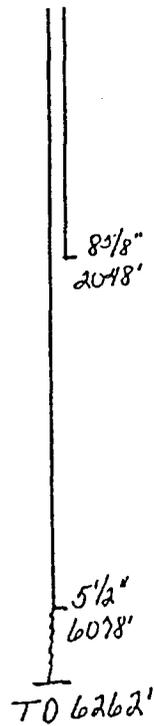
1. Name of the injection formation: Paddock
2. Name of Field or Pool (If applicable) Paddock
3. Is this a new well drilled for Injection? No  
If no, for what purpose was the well originally drilled? Production
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
#35	810' FSL & 810' FEL	31	16S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Spud Date  
3-20-54



Surface Casing

Size: 8-5/8" Cemented with 975 SX  
 TOC: Surface feet determined by <sup>Circ</sup> ~~calc~~  
 Hole size: 11

Intermediate Casing

Size: Cemented with SX  
 TOC: feet determined by  
 Hole size:

Long String

Size: 5-1/2" Cemented with 585 SX  
 TOC: 3225 feet determined by temp survey  
 Hole size: 7 7/8  
 Total Depth: 6262'

Injection Interval

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

Tubing size - lined with - set in a - packer  
 at - feet. (Or describe any other casing-tubing seal).

Other Data

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

INJECTION WELL DATA SHEET

88

Greenhill Petroleum Corporation

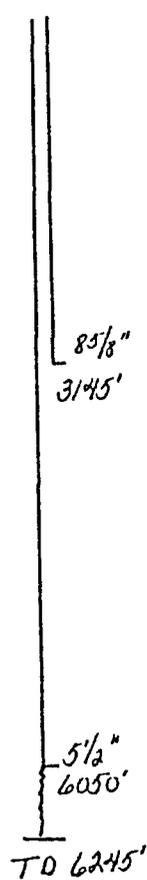
Lovington Paddock

OPERATOR			LEASE		
#36	660' FSL & 2160' FEL	31	16S	37E	
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE	

Tubular Data

Completed -  
12-3/53

Converted to  
Injection 1/71



Surface Casing

Size: 8-5/8" Cemented with 1475 SX

TOC: Surface feet determined by <sup>Circ</sup> ~~gate~~

Hole size: 11"

Intermediate Casing

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

Hole size: 7-7/8"

Total Depth: 6245'

Injection Interval

6050 feet to 6245 feet  
(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

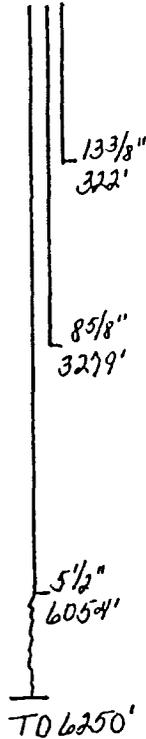
1. Name of the injection formation: Paddock
2. Name of Field or Pool (If applicable) Paddock
3. Is this a new well drilled for Injection? No  
If no, for what purpose was the well originally drilled? Production
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
#37	330' FSL & 2290' FWL	31	16S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Spud Date  
8-6-53



Surface Casing

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

TOC: Surface feet determined by <sup>Circ</sup> ~~calc~~

Hole size: 17 1/2

Intermediate Casing

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

TOC: 1235 feet determined by temp survey

Hole size: 11

Long String

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

TOC: 4290 feet determined by temp survey

Hole size: 7 7/8

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).

Other Data

- 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
- 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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington San Andres Unit		
OPERATOR		LEASE		
#16	2310 FEL & 1980 FSL	31	T16S	R37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Surface Casing

Size: 13 " Cemented with 200 SX

TOG: Surface feet determined by Circ

Hole size: 15 1/4

Intermediate Casing

Size: 8 5/8 " Cemented with 500 SX

TOG: 1245 feet determined by Calc

Hole Size: 10 1/4

Long String

Size: 5 1/2 " Cemented with 200 SX

TOG: 2343 feet determined by 80% calc

Hole Size: 6 3/4

Total Depth: 4950'

Injection Interval

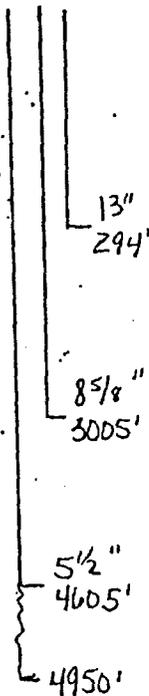
4605 feet to 4950 feet  
(perforated or open-hole, indicate which)

Tubing size 2 3/8 lined with IPC set in a  
(material)  
packer at 4557 feet.  
(brand & model)  
(or describe any other casing-tubing seal).

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

Completed  
12/6/39  
Converted to  
Injection  
3/16/63



I ✓

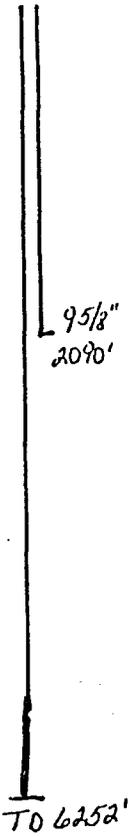
INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
#38	810' FSL & 665' FWL	31	16S	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

TOC: Surface feet determined by <sup>CIRC</sup> calc

Hole size: 12-1/4"

Intermediate Casing

Size: Cemented with SX

TOC: feet determined by

Hole size:

Long String

Size: 5-1/2" Cemented with 500 SX  
<sup>3527 (casing set deeper than on original calc.)</sup>

TOC: ~~3316~~ feet determined by 80% calc

Hole size: 7-7/8"

Total Depth: 6252'

Injection Interval

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

Tubing size 2-3/8" lined with IPC set in a - packer  
at 5966 feet. (Or describe any other casing-tubing seal).

Other Data

- 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
  - 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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington San Andres Unit		
OPERATOR		LEASE		
#6	660 FNL & 660 FWL	31	T16S	R37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Surface Casing

Size: 16" Cemented with 100 SX

TOC: Surface feet determined by calc.

Hole size: 18

Intermediate Casing

Size: 8 5/8" Cemented with 150 SX

TOC: 1271 feet determined by calc 50%

Hole Size: 11

Long String

Size: 7" Cemented with 200 SX

TOC: 2229 feet determined by 80% calc

Hole Size: 8

Total Depth: 5000'

Injection Interval

4538 feet to 5000 feet (perforated or open-hole, indicate which)

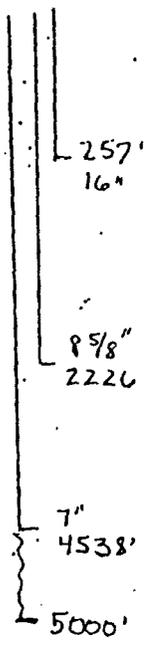
Tubing size 2 3/8" lined with IPC set in a  
 (material)  
 packer at 4434 feet.  
 (brand & model)  
 (or describe any other casing-tubing seal).

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

Completed 6/15/45

Converted to Injection 3/28/63

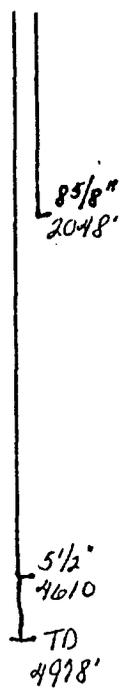


INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington San Andres		
OPERATOR	2130 2150' FNL & 366' FEL	1980 FWL <del>366' FEL</del>	LEASE	
			31	16S 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  
 Hole size:

Intermediate Casing

Size: Cemented with SX  
 TOC: feet determined by  
 Hole size:

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

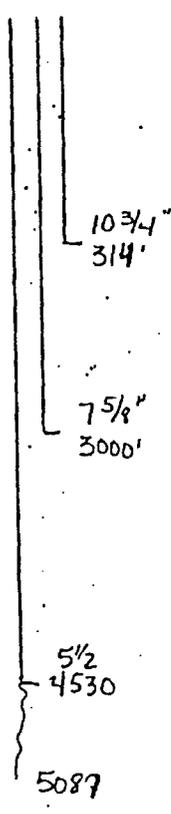
INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington San Andres Unit		
OPERATOR		LEASE		
#14	1980 FSL & <sup>819</sup> 818 FWL	31	T16S	R37E
WELL NO.	FOOTAGE LOCATION	SEG.	TOWNSHIP	RANGE

Tubular Data

Completed  
8/7/39

Converted to  
Injection  
3/15/63



Surface Casing

Size: 10 3/4 " Cemented with 250 SX

TOC: Surface feet determined by CIRC calc

Hole size: 12 1/4

Intermediate Casing

Size: 7 5/8 " Cemented with 500 SX

TOC: 363.7 feet determined by 50% calc

Hole Size: 9 1/4

Long String

Size: 5 1/2 " Cemented with 200 SX

TOC: 604' feet determined by 80% calc

Hole Size: 6 1/4

Total Depth: 5087'

Injection Interval

4530 feet to 5087 feet  
(perforated or open-hole, indicate which)

Tubing size 2 3/8 lined with IPC set in a  
(material)  
packer at 4468.11 feet.  
(brand & model)  
(or describe any other casing-tubing seal).

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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington San Andres Unit		
OPERATOR		LEASE		
#20	660 FSL & 660 FEL	31	T16S	R37E
WELL NO.	FOOTAGE LOCATION	SEG.	TOWNSHIP	RANGE

Tubular Data

Surface Casing

Size: 13 " Cemented with 20 SX

TOC: Surface feet determined by calc

Hole size: 15

Intermediate Casing

Size: 8 5/8 " Cemented with 400 SX

TOC: 784 feet determined by 50% calc

Hole Size: 11 10/12

Long String

Size: 5 1/2 " Cemented with 450 SX

TOC: 1340 feet determined by 80% calc

Hole Size: 6 1/4 7

Total Depth: 4945'

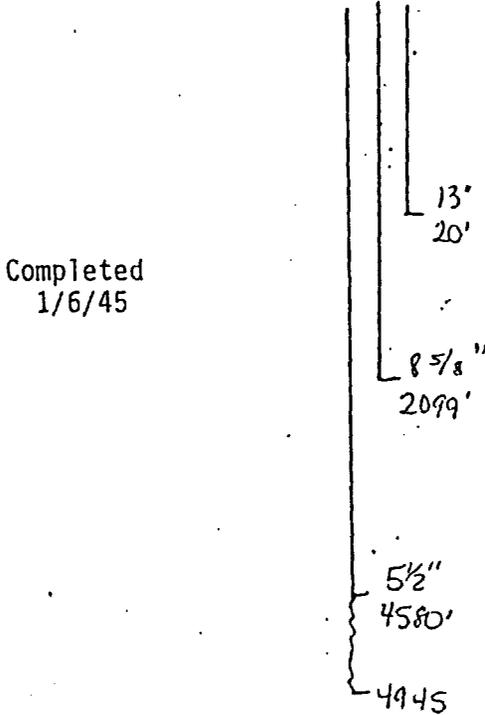
Injection Interval

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

Tubing size                      lined with                      set in a  
                     (material)  
                     packer at                      feet.  
(brand & model)  
(or describe any other casing-tubing seal).

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



Completed  
1/6/45

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation OPERATOR Lovington San Andres Unit LEASE

#21 WELL NO. 2310 FEL & 660 FSL FOOTAGE LOCATION 31 SEC. T16S TOWNSHIP R31E RANGE

Tubular Data

Surface Casing

Size: 13" Cemented with 200 175 SX

TOC: Surface feet determined by Circ calc

Hole size: 15

Intermediate Casing

Size: 8 5/8" Cemented with 500 400 SX

TOC: 1784 feet determined by 50% calc

Hole Size: 1 1/4 9 7/8

Long String

Size: 5 1/2" Cemented with 200 150 SX

TOC: 642 1626 feet determined by 80% calc

Hole Size: 6 1/4

Total Depth: 5032'

Injection Interval

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

Tubing size lined with set in a packer at feet.

(brand & model) (or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation

2. Name of Field or Pool (If applicable) Lovington San Andres

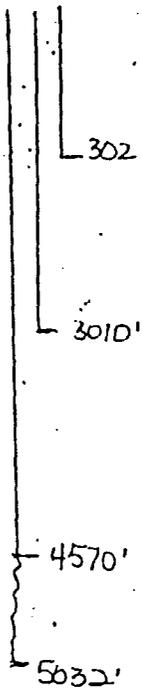
3. Is this a new well drilled for injection? No If no, for what purpose was the well originally drilled? Production

4. Has the well ever be perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used. No

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

Underlying - Grayburg

Completed 9/20/39



INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation OPERATOR Lovington San Andres Unit LEASE

#22 WELL NO. 330 FSL & 1650 FWL FOOTAGE LOCATION 31 SEC. T16S TOWNSHIP R73E RANGE

Tubular Data

Surface Casing

Size: 13" Cemented with 200 SX  
 TOG: Surface feet determined by calc  
 Hole size: 15 1/2"

13'  
299'

Intermediate Casing

Size: 9 5/8" Cemented with 500 SX  
 TOG: 1369 feet determined by 50% calc  
 Hole Size: 11 1/4"

9 5/8"  
3002'

Long String

Size: 7" Cemented with 200 SX  
 TOG: 3161 feet determined by 80% calc  
 Hole Size: 8 7/8"

7"  
4525'  
TD 4760'  
deepened 4917  
6-8-66  
TD 5086  
2-4-86

Total Depth: 5086

Injection Interval

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

Tubing size \_\_\_\_\_ lined with \_\_\_\_\_ set in a \_\_\_\_\_ packer at \_\_\_\_\_ feet. (brand & model) (material)

(or describe any other casing-tubing seal).

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

Completed 11/19/55  
 Deepened to 4917 6/8/66  
 Deepened to 5086 2/4/86

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington San Andres Unit		
OPERATOR		LEASE		
#23	660 FSL & 900 FWL	31	T16S	R37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Surface Casing

Size: 13 " Cemented with 200 SX  
 TOC: Surface feet determined by calc  
 Hole size: 14

Intermediate Casing

Size: 9 5/8 " Cemented with 500 SX  
 TOC: 1773 feet determined by 50% calc  
 Hole Size: 11 1/4

Long String

Size: 7 " Cemented with 200 SX  
 TOC: 2735 feet determined by 80% calc  
 Hole Size: 8 1/4

Total Depth: 5081'

Injection Interval

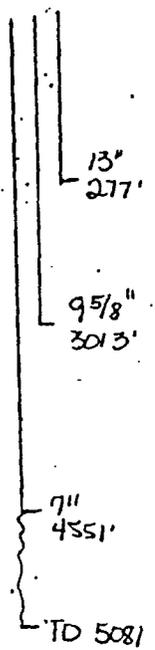
                     feet to                      feet  
(perforated or open-hole, indicate which)

Tubing size                      lined with                      set in a  
                     (material)  
                     packer at                      feet.  
 (brand & model)  
 (or describe any other casing-tubing seal).

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

Completed  
6/2/39

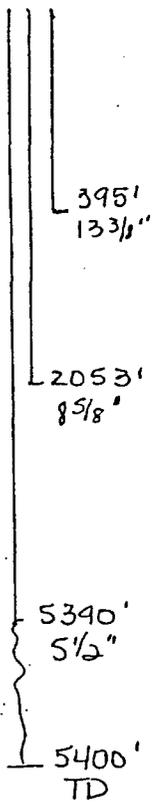


INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington San Andres		
OPERATOR		LEASE		
#60	1283' FSL & 2527' FWL	31	16S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
1-31-90



Surface Casing

Size: 13-3/8 " Cemented with 450 SX

TOC: Surface feet determined by circ

Hole size: 17-1/2"

Intermediate Casing

Size: 8-5/8 " Cemented with 600 SX

TOC: 215 feet determined by calc

Hole Size: 1 1/2" 12 1/4"

Long String

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

TOC: Surface feet determined by calc

Hole Size: 7-7/8"

Total Depth: 5400'

Injection Interval

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

Tubing size \_\_\_\_\_ lined with \_\_\_\_\_ set in a  
\_\_\_\_\_ (material)  
\_\_\_\_\_ packer at \_\_\_\_\_ feet.  
(brand & model)  
(or describe any other casing-tubing seal).

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

INJECTION WELL DATA SHEET

Penroc		State 182 "A"		
OPERATOR		LEASE		
4	1650' FSL. & 2289' FWL	31	16S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Workover Aug Sept  
1968 sand from  
6400, 5000, & 4600  
w/ total 1200 SX  
TOC 4000 by  
Temp Survey



Surface Casing  
 Size: 13-3/8" Cemented with 300 SX  
 TOC: Surface feet determined by calc <sup>CIRC</sup>  
 Hole size: 16"  
Intermediate Casing  
 Size: 9-5/8" Cemented with 1200 SX  
 TOC: Surface feet determined by calc  
 Hole size: 12"  
Long String  
 Size: 7" Cemented with 404 SX  
 TOC: 3798 feet determined by 80% calc  
 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

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

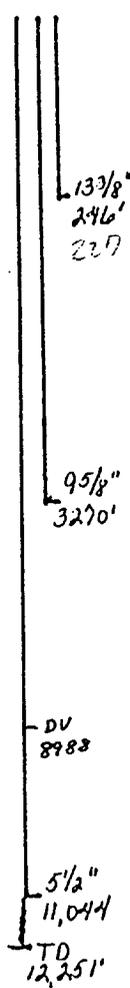
INJECTION WELL DATA SHEET

Rice Engineering		Abo SWD (State "0")		
OPERATOR		LEASE		
13	2310' FNL & 2626' FWL	31	16S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
1-18-53

Converted to  
SWD (Inject  
thru 9730-10260)



Surface Casing  
Size: 13-3/8" Cemented with 246 SX  
TOC: Surface feet determined by <sup>CIRC</sup> ~~calc~~  
Hole size: 18"

Intermediate Casing  
Size: 9-5/8" Cemented with 1400 SX  
TOC: <sup>Surface</sup> 352 feet determined by <sup>CIRC</sup> ~~50% calc~~  
Hole size: 12-1/4"

Long String  
Size: 5-1/2" Cemented with 1982 SX  
TOC: 247 feet determined by 80% calc  
Hole size: 7-7/8"  
Total Depth: 12,251

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

*Cement Bond Log 1964  
Top good cut 3765  
sgzd several intervals  
above & below this  
point*

*6820 of shoe  
1300 thru  
DU tool at  
8982*

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

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

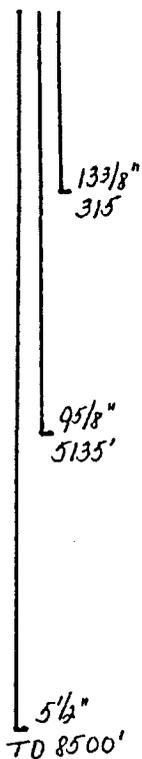
Abo (Above)

INJECTION WELL DATA SHEET

Texaco		State "0" Battery 2		
OPERATOR		LEASE		
9	660' FSL & 815' FWL	31	16S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
12-8-51



Surface Casing

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

TOC: Surface feet determined by calc

Hole size: 18"

Intermediate Casing

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

TOC: Surface feet determined by calc

Hole size: 12-1/4"

Long String

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

TOC: 4959 feet determined by 80% calc

Hole size: 7-7/8"

Total Depth: 8500

Injection Interval

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

Tubing size - lined with - set in a - packer

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

Other Data

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

(Above) Drinkard

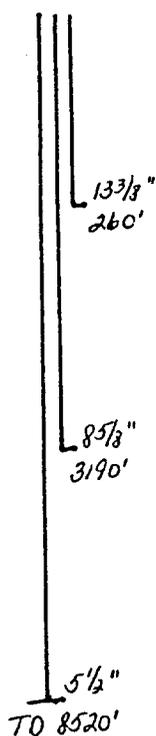
*Handwritten notes:*  
 300  
 350 SX at shoe  
 4150 SX Thin  
 DU Tool cat  
 4510

## INJECTION WELL DATA SHEET

Texaco		State "0"		
OPERATOR		LEASE		
10	440' FWL & 3080' FNL	31	16S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
4-13-52

Surface Casing

Size: 13-3/8" Cemented with <sup>275</sup> 225 SX  
 TOC: Surface feet determined by <sup>CIRC</sup> calc

Hole size: 18"

Intermediate Casing

Size: 8-5/8" Cemented with 700 SX  
 TOC: <sup>surface</sup> 1046 feet determined by <sup>CIRC</sup> 50% calc

Hole size: 11"

Long String

Size: 5-1/2" Cemented with 775 SX  
 TOC: 4298 feet determined by 80% calc

Hole size: 7-7/8"

Total Depth: 8520'

Injection Interval

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

Tubing size - lined with - set in a - packer  
 at - feet. (Or describe any other casing-tubing seal).

Other Data

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

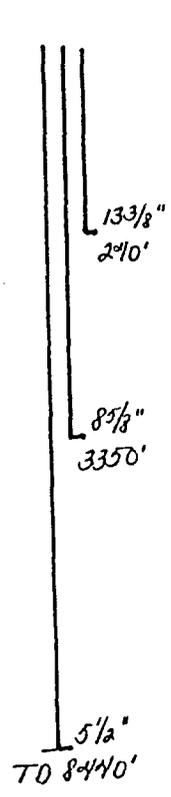
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

(Above) Drinkard

INJECTION WELL DATA SHEET

Texaco		State "0"		
OPERATOR	FOOTAGE LOCATION	LEASE	TOWNSHIP	RANGE
11	330' FSL & 2310' FEL	31	16S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data



Surface Casing

Size: 13-3/8" Cemented with <sup>250</sup>240 SX  
 TOC: Surface feet determined by <sup>CIRC</sup>calc

Hole size: 18"

Intermediate Casing

Size: 8-5/8" Cemented with 800 SX  
 TOC: 899 feet determined by 50% calc

Hole size: 12-1/4"

Long String

Size: 5-1/2" Cemented with 850 SX  
 TOC: 3809 feet determined by 80% calc

Hole size: 7-7/8"

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 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.

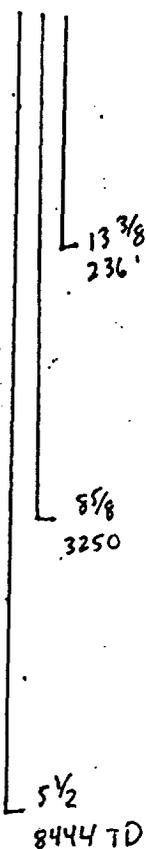
(Above) Drinkard

INJECTION WELL DATA SHEET

Texaco OPERATOR	State "O" LEASE			
12 WELL NO.	1650' ESL & 2310' FEL FOOTAGE LOCATION	31 SEC.	16S TOWNSHIP	37E RANGE

Tubular Data

Completed  
8-08-52



Surface Casing

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

TOC: Surface feet determined by circ calc

Hole size: 18" 16

Intermediate Casing

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

TOC: Surface feet determined by circ calc

Hole Size: 12-1/4"

Long String

Size: 5-1/2" Cemented with 700 SX

TOC: 3984 feet determined by 80% calc

Hole Size: 7-7/8"

Total Depth: 8444'

Injection Interval

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

Tubing size \_\_\_\_\_ lined with \_\_\_\_\_ set in a  
(material)  
\_\_\_\_\_ packer at \_\_\_\_\_ feet.  
(brand & model)  
(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation \_\_\_\_\_
- Name of Field or Pool (If applicable) Lovington Aho
- 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).  
\_\_\_\_\_
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Above Drinkard

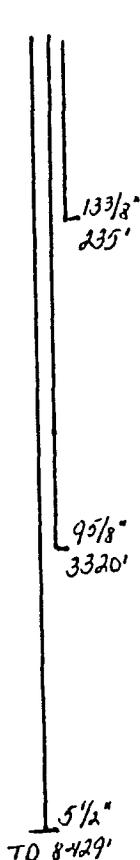
INJECTION WELL DATA SHEET

42

Texaco		State "0"		
OPERATOR	1980' FSL & 660' FEL	LEASE	31	16S 37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
4-23-53



Surface Casing

Size: 13-3/8" Cemented with 235 SX  
 TOC: Surface feet determined by <sup>CIRC</sup> calc  
 Hole size: 18"

Intermediate Casing

Size: 9-5/8" Cemented with 1200 SX  
 TOC: 819 feet determined by 50% calc  
 Hole size: 12-1/4"

Long String

Size: 5-1/2" Cemented with 800 SX  
 TOC: 4071 feet determined by 80% calc  
 Hole size: 7-7/8"  
 Total Depth: 8429'

Injection Interval

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

Tubing size - lined with - set in a - packer  
 at - feet. (Or describe any other casing-tubing seal).

Other Data

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

INJECTION WELL DATA SHEET

Texaco	State "0"			
OPERATOR	LEASE			
23	990' FSL & <sup>990</sup> 660' FEL	31	16S	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  
 Hole size:

Long String

Size: 5-1/2" Cemented with 875 SX  
 TOC: 3673 feet determined by 80% calc  
 Hole size: 7-7/8"

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

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

## INJECTION WELL DATA SHEET

Texaco		State "0"		
OPERATOR		LEASE		
25	1980' FNL & 660' FEL	31	16S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
6-26-65

Surface Casing

Size: 8-5/8" Cemented with 925 SX

TOC: Surface feet determined by <sup>Circ</sup>~~calc~~

Hole size: 11"

Intermediate Casing

Size: Cemented with SX

TOC: feet determined by

Hole size:

Long String

Size: 4-1/2" Cemented with 750 SX

TOC: <sup>3700</sup>3292 feet determined by <sup>Temp 5.1100'</sup>~~80% calc~~

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

- Name of the injection formation:
- 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).

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

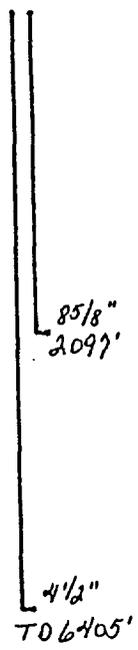
Glorieta (Overlying)

INJECTION WELL DATA SHEET

<u>Getty Terao</u>		State "0"		
OPERATOR		LEASE		
26	660' FNL & 660' FEL	31	16S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
8-18-65



Surface Casing

Size: 8-5/8" Cemented with 1200 SX  
 TOC: Surface feet determined by ~~calc~~ <sup>Circ</sup>  
 Hole size: 11"

Intermediate Casing

Size: Cemented with SX  
 TOC: feet determined by  
 Hole size:

Long String

Size: 4-1/2" Cemented with 950 SX  
 TOC: 2468 feet determined by <sup>3255</sup> ~~80% calc~~ <sup>Temp Survey</sup>  
 Hole size: 7-7/8"

Total Depth: 6405'

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.  
Glorieta (Overlying)

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington San Andres Unit		
OPERATOR		LEASE		
#18	1980 FSL & 330 FWL	32	T16S	R37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Surface Casing

Size: 13 3/8 " Cemented with 300 SX

TOC: Surface feet determined by calc

Hole size: 17 1/4

Intermediate Casing

Size: 8 5/8 " Cemented with 500 SX

TOC: 565 feet determined by \_\_\_\_\_

Hole Size: 11

Long String

Size: 5 1/2 " Cemented with 400 SX

TOC: 1787 feet determined by 80% calc

Hole Size: 7 3/8

Total Depth: 4900'

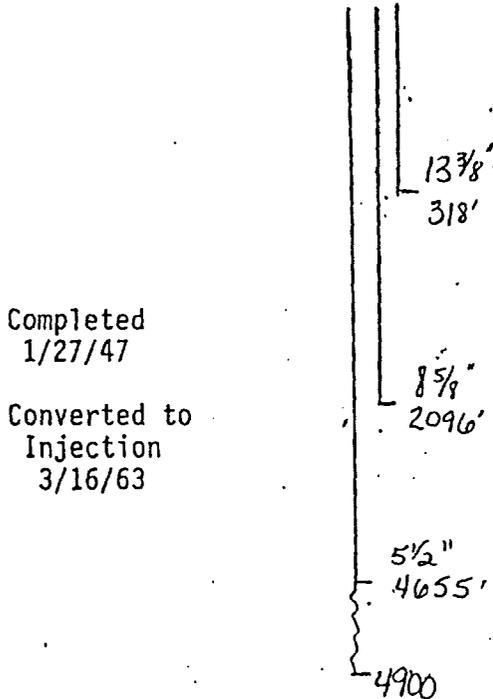
Injection Interval

4655 feet to 4900 feet  
(perforated or open-hole, indicate which)

Tubing size 2" lined with IPC set in a  
(material)  
\_\_\_\_\_ packer at 4591 feet.  
(brand & model)  
(or describe any other casing-tubing seal).

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



Completed  
1/27/47

Converted to  
Injection  
3/16/63

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation	Lovington San Andres Unit			
OPERATOR	LEASE			
#19	660 FSL 330 FWL 1980 FNL & 2310 FEL	32	T16S	R37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Surface Casing

Size: 13 3/8" Cemented with 200 SX

TOC: Surface feet determined by calc

Hole size: 17 1/4

Intermediate Casing

Size: 8 5/8" Cemented with 300 SX

TOC: 1193 feet determined by 50% calc

Hole Size: 11

Long String

Size: 5 1/2" Cemented with 300 SX

TOC: 2982 feet determined by 80% calc

Hole Size: 7 7/8

Total Depth: 4946'

Injection Interval

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

Tubing size \_\_\_\_\_ lined with \_\_\_\_\_ set in a \_\_\_\_\_ (material) packer at \_\_\_\_\_ feet. (brand & model) (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

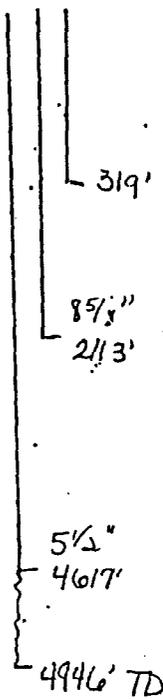
3. Is this a new well drilled for injection? No If no, for what purpose was the well originally drilled? Production

4. Has the well ever 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

Completed 1/5/46



INJECTION WELL DATA SHEET

Texaco	State "P"		
OPERATOR	LEASE		
2	1980' FSL & 380' FWL	32	16S 37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP RANGE

Tubular Data

Completed 11-25-52

5 1/2"

Surface Casing

Size: 13-3/8" Cemented with 350 300 SX

TOC: Surface feet determined by calc

Hole size: 17-1/2"

Intermediate Casing

Size: 9-5/8" Cemented with 1300 SX

TOC: Surface feet determined by calc

Hole Size: 12-1/4"

Long String

Size: 7" Cemented with 400 SX

TOC: 3345 2850 feet determined by temp survey

Hole Size: 8-3/4"

Total Depth: 8444'

Injection Interval

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

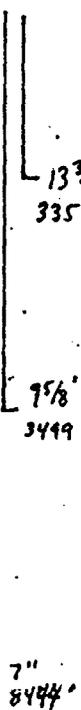
Tubing size lined with set in a packer at feet. (brand & model) (or describe any other casing-tubing seal).

Other Data

- Name of the injection formation
- Name of Field or Pool (If applicable) Lovington Abo Padlock
- 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).
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Above Drinkard

7 inch liner 3345-8444  
5 1/2 inch casing from 0' to 8357  
Cnd of 315 SX est TOC above liner top

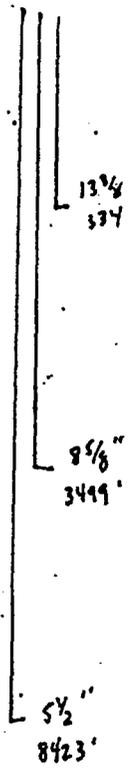


INJECTION WELL DATA SHEET

Texaco		State "P"		
OPERATOR	LEASE			
3-28	800' FSL & 330' FWL	32	16S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
3-28-54



Surface Casing  
 Size: 13-3/8 " Cemented with 350 SX  
 TOC: Surface feet determined by calc  
 Hole size: 17-1/2"

Intermediate Casing  
 Size: 8-5/8 " Cemented with 1250 SX  
 TOC: Surface feet determined by calc  
 Hole Size: 11"

Long String  
 Size: 5-1/2" " Cemented with 650 SX  
 TOC: 5210 feet determined by C-103  
 Hole Size: 7-7/8"  
 Total Depth: 8423'

5 1/2" liner  
3375-8423

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

Tubing size \_\_\_\_\_ lined with \_\_\_\_\_ set in a  
 \_\_\_\_\_ (material)  
 \_\_\_\_\_ packer at \_\_\_\_\_ feet.  
 (brand & model)  
 (or describe any other casing-tubing seal).

Other Data

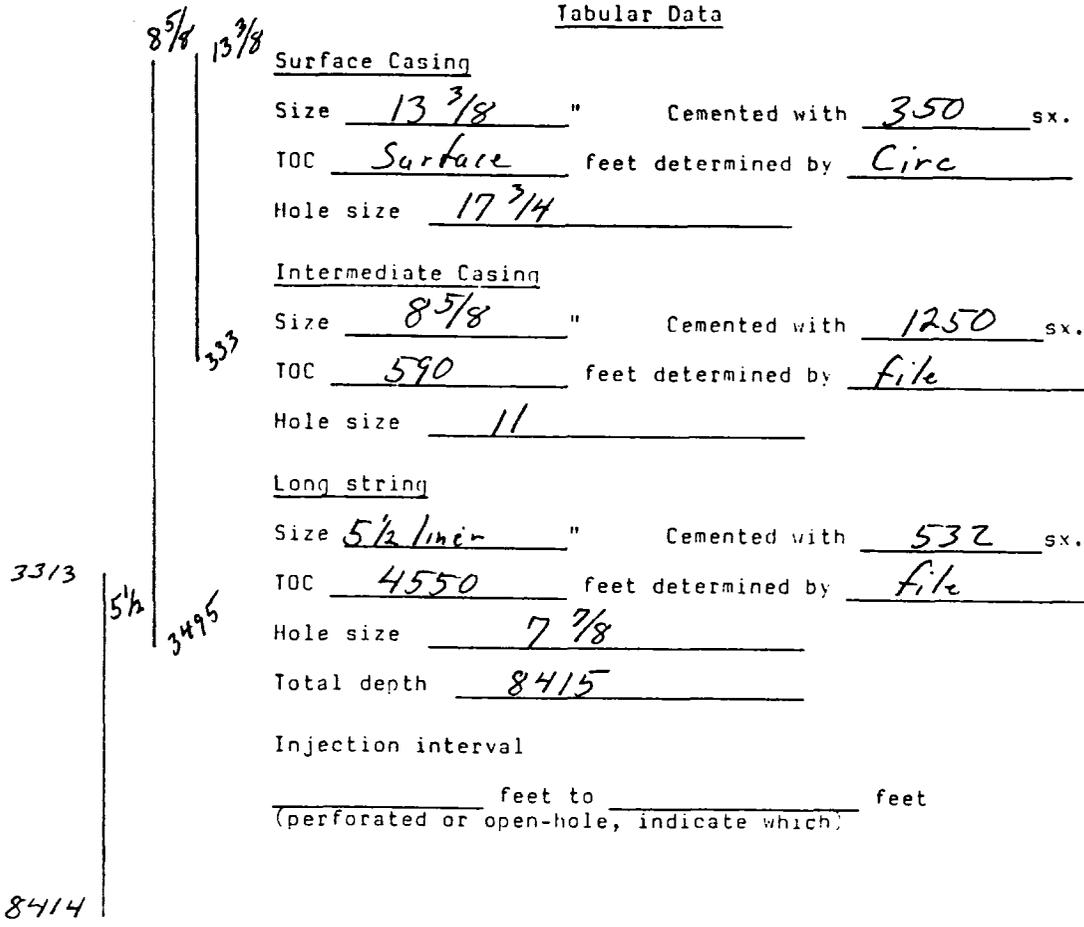
- Name of the injection formation \_\_\_\_\_
- Name of Field or Pool (if applicable) Lovington Abo
- Is this a new well drilled for injection? No  
 If no, for what purpose was the well originally drilled? Production
- Has the well ever be perforated in any other zone(s)? List all such perforated intervals 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 this area.  
Above Drinkard

INJECTION WELL DATA SHEET

Texaco Producing Inc      State P  
 OPERATOR      LEASE  
4      1650 N 8 990 W      32      -16S      37E  
 WELL NO.      FOOTAGE LOCATION      SECTION      TOWNSHIP      RANGE

Schematic

Tabular Data



Surface Casing  
 Size 13 3/8 "      Cemented with 350 sx.  
 TOC Surface feet determined by Circ  
 Hole size 17 3/4  
Intermediate Casing  
 Size 8 5/8 "      Cemented with 1250 sx.  
 TOC 590 feet determined by file  
 Hole size 11  
Long string  
 Size 5 1/2 liner "      Cemented with 532 sx.  
 TOC 4550 feet determined by file  
 Hole size 7 7/8  
 Total depth 8415  
 Injection interval  
 \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 (perforated or open-hole, indicate which)

Tubing size \_\_\_\_\_ lined with \_\_\_\_\_ set in a  
 \_\_\_\_\_ (material)  
 \_\_\_\_\_ packer at \_\_\_\_\_ feet  
 \_\_\_\_\_ (brand and model)  
 (or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation \_\_\_\_\_
2. Name of Field or Pool (if applicable) \_\_\_\_\_
3. Is this a new well drilled for injection?  Yes     No  
 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 detail (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. \_\_\_\_\_

INJECTION WELL DATA SHEET

✓ Texaco Producing Inc State P  
 OPERATOR LEASE  
6 1650 S 1650 W 32 16 S 37 E  
 WELL NO. FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic

Tabular Data

8 7/8  
 13 3/8  
 2 9/8  
 3333  
 3499  
 8419  
 D8420

Surface Casing  
 Size 13 3/8 " Cemented with 350 sx.  
 TOC Surface feet determined by Circ  
 Hole size 17 3/4  
Intermediate Casing  
 Size 8 5/8 " Cemented with 1200 sx.  
 TOC 1120 feet determined by file  
 Hole size 11  
Long string  
 Size 5 1/2 liner " Cemented with 700 sx.  
 TOC 4080 feet determined by file  
 Hole size 7 7/8  
 Total depth 8420  
 Injection interval  
 \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 (perforated or open-hole, indicate which)

Tubing size \_\_\_\_\_ lined with \_\_\_\_\_ set in a \_\_\_\_\_  
 (material)  
 \_\_\_\_\_ packer at \_\_\_\_\_ feet  
 (brand and model)

(or describe any other casing-tubing seal).

Other 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 intervals 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 this area. \_\_\_\_\_

INJECTION WELL DATA SHEET

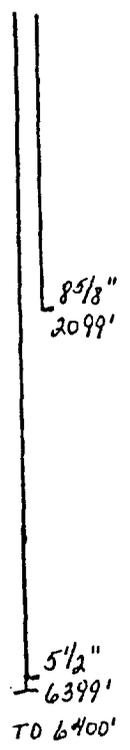
*Texaco Producing Inc.*  
~~Tidewater Oil Company~~

State "P"

OPERATOR	LEASE	SEC.	TOWNSHIP	RANGE
11	1980' FNL & 660' FWL	32	16S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
3-22-65



Surface Casing

Size: 8-5/8" Cemented with 1450 SX  
 TOC: Surface feet determined by <sup>Calc</sup> calc  
 Hole size: 12-1/4"

Intermediate Casing

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 <sup>Calc</sup> 80% calc  
 Hole size: 7-7/8"

Total Depth: 6400'

Injection Interval

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

Tubing size - lined with - set in a - packer  
at - feet. (Or describe any other casing-tubing seal).

Other Data

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

INJECTION WELL DATA SHEET

Amerada Hess

State L "A"

OPERATOR	LEASE		SEC.	TOWNSHIP	RANGE
8	560' FNL & 660' FEL	1	17S	36E	
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE	

Tubular Data

Completed  
5-3-52

Surface Casing  
 Size: 13-3/8 " Cemented with 225 SX  
 TOC: Surface feet determined by calc  
 13 3/8  
290  
 Hole size: 17-1/2"

Intermediate Casing  
 Size: 8-5/8 " Cemented with 1000 SX  
 TOC: 1497 3063 feet determined by TS 507 calc  
 8 5/8  
3198  
 Hole Size: 11"

Long String  
 Size: 5-1/2 " Cemented with 600 SX  
 TOC: 4975 feet determined by temp survey  
 5 1/2  
8342  
 Hole Size: 7-7/8"

TD  
8430  
 Total Depth: 8430'

Injection Interval

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

Tubing size \_\_\_\_\_ lined with \_\_\_\_\_ set in a  
(material)  
\_\_\_\_\_ packer at \_\_\_\_\_ feet.  
(brand & model)  
(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation \_\_\_\_\_
- Name of Field or Pool (If applicable) Lovington Abo
- Is this a new well drilled for injection? No  
If no, for what purpose was the well originally drilled? Production
- Has the well ever be perforated in any other zone(s)? List all such perforated intervals 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 this area.  
Above Drinkard



135  
P

INJECTION WELL DATA SHEET

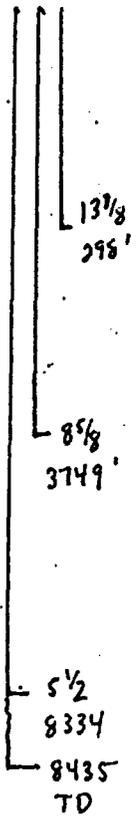
Amerada Hess

State L"A"

OPERATOR	LEASE	SEC.	TOWNSHIP	RANGE
10	1650' FNL & 660' FEL	1	17S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
11-7-52



Surface Casing

Size: 13-3/8 " Cemented with 225 SX

TOC: Surface: \_\_\_\_\_ feet determined by calc

Hole size: 17-1/2"

Intermediate Casing

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

TOC: <sup>1346</sup>Surface \_\_\_\_\_ feet determined by calc

Hole Size: 11"

Long String

Size: 5-1/2 " Cemented with 600 SX

TOC: 4972 \_\_\_\_\_ feet determined by temp survey

Hole Size: 7-7/8"

Total Depth: 8435'

Injection Interval

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

Tubing size \_\_\_\_\_ lined with \_\_\_\_\_ set in a  
(material)  
\_\_\_\_\_ packer at \_\_\_\_\_ feet.  
(brand & model)  
(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation \_\_\_\_\_
- Name of Field or Pool (if applicable) Lovington Abo
- Is this a new well drilled for injection? No  
If no, for what purpose was the well originally drilled? Production
- Has the well ever be perforated in any other zone(s)? List all such perforated intervals 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 this area.  
Above Drinkard

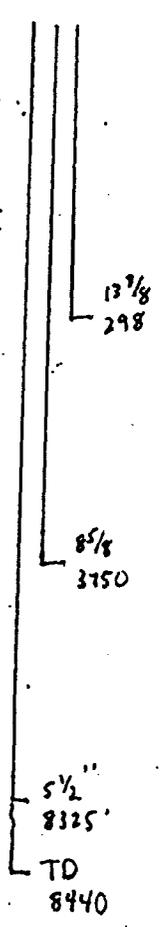


INJECTION WELL DATA SHEET

Amerada Hess		State L "A"		
OPERATOR		LEASE		
12	2310' FSL & 2310' FWL	1	17S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
2-23-53



Surface Casing  
 Size: 13-3/8 " Cemented with 250 SX  
 TOC: Surface feet determined by calc  
 Hole size: 17-1/2"

Intermediate Casing  
 Size: 8-5/8 " Cemented with 1500 SX  
 TOC: Surface feet determined by calc  
 Hole Size: 11"

Long String  
 Size: 5-1/2 " Cemented with 600 SX  
 TOC: 5614 feet determined by temp survey  
 Hole Size: 7-7/8"  
 Total Depth: 8440'

Injection Interval  
 \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 (perforated or open-hole, indicate which)

Tubing size \_\_\_\_\_ lined with \_\_\_\_\_ set in a  
 \_\_\_\_\_ (material) packer at \_\_\_\_\_ feet.  
 (brand & model)  
 (or describe any other casing-tubing seal).

Other Data

- Name of the injection formation \_\_\_\_\_
- Name of Field or Pool (If applicable) Lovington Abo
- Is this a new well drilled for injection? No Production  
 If no, for what purpose was the well originally drilled? \_\_\_\_\_
- 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).  
 \_\_\_\_\_
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.  
Above Drinkard

J SWD  
TA

150

INJECTION WELL DATA SHEET

Araho		State L "C"		
OPERATOR		LEASE		
SWD 1-I	2190' FSL & 560' FEL	1	17S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
11-26-59

Dry Hole  
TA

5 1/2 liner

4825

750 SX Circ  
TO liner top

11490



Surface Casing

Size: 13-3/8" Cemented with 450 SX

TOC: Surface feet determined by calc <sup>CIRC</sup>

Hole size: 17-1/2"

Intermediate Casing

Size: Cemented with SX

TOC: feet determined by

Hole size:

Long String

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

TOC: <sup>2765</sup> Surface feet determined by <sup>TS</sup> ~~80% calc~~

Hole size: 11"

Total Depth: 12,704

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)
  3. Is this a new well drilled for Injection?  
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.

INJECTION WELL DATA SHEET

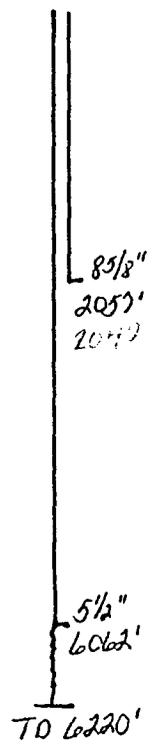
Greenhill Petroleum Corporation

Lovington Paddock

OPERATOR	LEASE		
#46	660' FNL & 990' FWL	1	17S 36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP RANGE

Tubular Data

Spud Date  
11-20-54



Surface Casing

Size: 8-5/8" Cemented with 1250 SX  
 TOC: Surface feet determined by <sup>CITC</sup> ~~eat~~  
 Hole size: 12 1/4"

Intermediate Casing

Size: Cemented with SX  
 TOC: feet determined by  
 Hole size:

Long String

Size: 5-1/2" Cemented with 350 SX  
 TOC: 3077 feet determined by <sup>3200</sup> ~~temp~~ <sup>file</sup> survey  
 Hole size: 7-7/8"

Total Depth: 6220'

Injection Interval

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

INJECTION WELL DATA SHEET

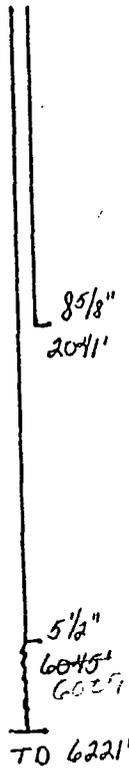
Greenhill Petroleum Corporation

Lovington Paddock

OPERATOR #47	2310 1930' FWL & 660' FNL	LEASE 1	17S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
9-04-54



Surface Casing

Size: 8-5/8" Cemented with <sup>1200</sup> ~~1000~~ SX

TOC: Surface feet determined by <sup>calc</sup> ~~calc~~

Hole size:

Intermediate Casing

Size: Cemented with SX

TOC: feet determined by

Hole size:

Long String

Size: 5-1/2" Cemented with <sup>300</sup> ~~182~~ SX

TOC: <sup>4147</sup> ~~5053~~ feet determined by <sup>TS file</sup> ~~calc~~

Hole size: 7-7/8"

Total Depth: 6221'

Injection Interval

6045 feet to 6221 feet  
(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

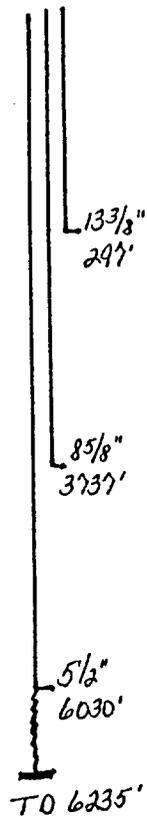
- Name of the injection formation: Paddock
- Name of Field or Pool (If applicable) Paddock
- Is this a new well drilled for Injection? No  
If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
#48	660' FNL & 2080' FEL	1	17S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data



Surface Casing

Size: 13-3/8" Cemented with 300 SX  
 TOC: Surface feet determined by calc<sup>CIRC</sup>  
 Hole size: 1 7/8"

Intermediate Casing

Size: 8-5/8" Cemented with 1500 SX  
 TOC: 602 feet determined by temp survey  
 Hole size: //

Long String

Size: 5-1/2" Cemented with 550 SX  
 TOC: 3712 feet determined by temp survey  
 Hole size: 7 1/2"

Total Depth: 6235'

Injection Interval

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

Tubing size - lined with - set in a - packer  
 at - feet. (Or describe any other casing-tubing seal).

Other Data

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

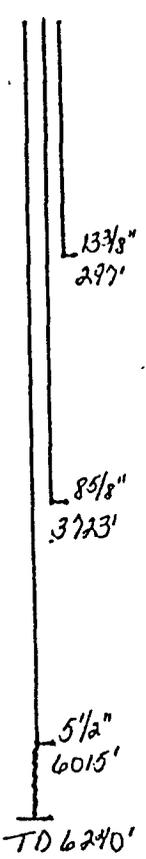
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INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
#49	760 FNL & 660 FEL	1	17S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
8-18-53  
  
Converted to  
Injection 12/66



Surface Casing

Size: 13-3/8" Cemented with 300 SX  
TOC: Surface feet determined by calc  
Hole size: 17-1/2"

Intermediate Casing

Size: 8-5/8" Cemented with 1500 SX  
TOC: Surface feet determined by calc  
Hole size: 11"

Long String

Size: 5-1/2" Cemented with 550 SX  
TOC: 3019 feet determined by 80% calc  
Hole size: 7-7/8"

Total Depth: 6240'

Injection Interval

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

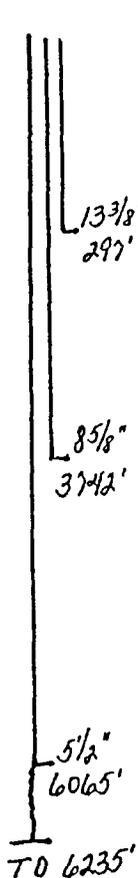
- Name of the injection formation: Paddock
- Name of Field or Pool (If applicable) Paddock
- Is this a new well drilled for Injection? No  
If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
#58	1980' FNL & 560' FEL	1	17S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Spud Date  
10-53



Surface Casing

Size: 13-3/8" Cemented with 300 SX  
TOC: Surface feet determined by <sup>CIRC</sup> calc

Hole size: 17/8"

Intermediate Casing

Size: 8-5/8" Cemented with 1500 SX  
TOC: 588 feet determined by temp survey

Hole size: 11"

Long String

Size: 5-1/2" Cemented with <sup>550</sup> SX  
TOC: 3795 feet determined by temp survey

Hole size: 7 7/8"

Total Depth: 6235

Injection Interval

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

Tubing size - lined with - set in a - packer  
at - feet. (Or describe any other casing-tubing seal).

Other Data

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

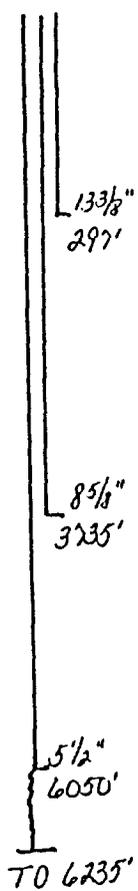
INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR	2020 1650' FNL & 1980' FEL	LEASE	1	17S
#59				36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
10-19-53

Converted to  
Injection 9-73



Surface Casing

Size: 13-3/8" Cemented with 300 SX  
 TOC: Surface feet determined by calc <sup>CIRC</sup>  
 Hole size: 1 1/2"

Intermediate Casing

Size: 8-5/8" Cemented with 1500 SX  
 TOC: Surface feet determined by calc <sup>TS</sup>  
 Hole size: 1 1/2"

Long String

Size: 5-1/2" Cemented with 550 SX  
 TOC: 3054 feet determined by calc <sup>TS</sup>  
 Hole size: 7-7/8"

Total Depth: 6235

Injection Interval

6050 feet to 6235 feet  
(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

- 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
- 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

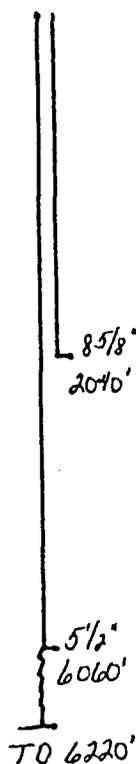
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.  
Above Glorieta

## INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
#60	1980' FNL & 2310' FWL	1	17S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Spud Date  
10-11-54

Surface Casing

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

TOC: Surface feet determined by <sup>CIRC</sup> ~~calc~~

Hole size: 12 1/4

Intermediate Casing

Size: Cemented with SX

TOC: feet determined by

Hole size:

Long String

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

TOC: 3841 feet determined by temp <sup>file</sup> survey

Hole size: 7 1/4

Total Depth: 6220'

Injection Interval

- 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).

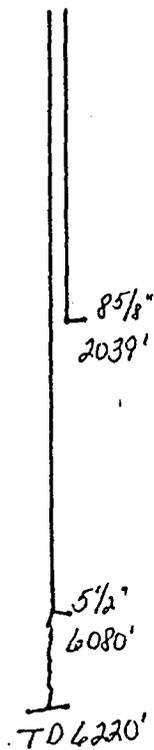
Other Data

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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
#61	990' FWL & <sup>1980</sup> 2310' FNL	1	17S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data



Surface Casing

Size: 8-5/8" Cemented with 1000 SX  
 TOC: Surface feet determined by calc  
 Hole size: 1 1/4

Intermediate Casing

Size: Cemented with SX  
 TOC: feet determined by  
 Hole size:

Long String

Size: 5-1/2" Cemented with 220- SX  
 TOC: <sup>3700</sup> ~~4490~~ feet determined by <sup>temp survey</sup> ~~80% calc~~ file  
 Hole size: <sup>3847</sup> 7-7/8"

Total Depth: 6220'

Injection Interval

6080 feet to 6220 feet  
 (perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with IPC set in a - packer  
 at 6045 feet. (Or describe any other casing-tubing seal).

Other Data

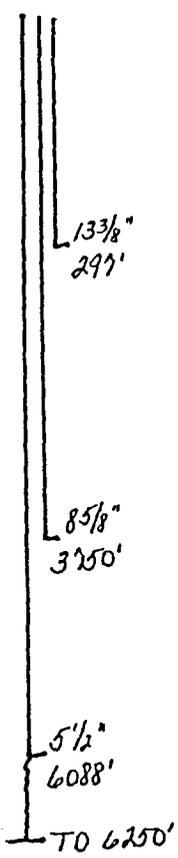
- Name of the injection formation: Paddock
  - Name of Field or Pool (If applicable) Paddock
  - Is this a new well drilled for Injection? No  
 If no, for what purpose was the well originally drilled? Production
  - Has the well ever been perforated in any other zone(s)? List all such perforated intervals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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR	LEASE			
#63	1980' FSL & 990' FWL	1	17S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Spud Date  
5-19-53



Surface Casing

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

TOC: Surface feet determined by calc<sup>CIRC</sup>

Hole size: 17 1/2

Intermediate Casing

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

TOC: 879 feet determined by temp survey ✓

Hole size: 11

Long String

Size: 5-1/2" Cemented with 500 SX<sup>600</sup>

TOC: 3364<sup>3743</sup> feet determined by 80% calc<sup>TS</sup>

Hole size: ~~7-7/8~~" 7 3/4

Total Depth: 6250'

Injection Interval

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

Tubing size - lined with - set in a - packer  
at - feet. (Or describe any other casing-tubing seal).

Other Data

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

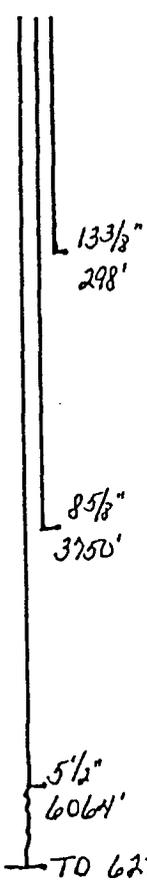
INJECTION WELL DATA SHEET

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

Tubular Data

Completed  
12-18-53

Converted to  
Injection 12/66



Surface Casing

Size: 13-3/8" Cemented with <sup>295</sup> 300 SX  
 TOC: Surface feet determined by <sup>CIRC</sup> calc  
 Hole size: 11 1/2

Intermediate Casing

Size: 8-5/8" Cemented with 1500 SX  
 TOC: <sup>607</sup> Surface feet determined by <sup>TS</sup> calc  
 Hole size: 11

Long String

Size: 5-1/2" Cemented with 550 SX  
 TOC: <sup>3834</sup> 3068 feet determined by <sup>TS</sup> 80% calc  
 Hole size: 7-7/8"

Total Depth: 6275'

Injection Interval

6064 feet to 6275 feet  
 (perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with IPC set in a - packer  
 at 5979 feet. (Or describe any other casing-tubing seal).

Other Data

- 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
- 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

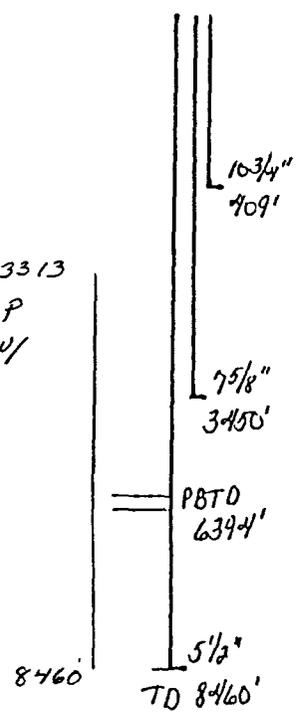
INJECTION WELL DATA SHEET

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

Tubular Data

Spud Date  
6-13-53

3313  
liner top  
spzd w/  
75 SX



Surface Casing

Size: 10-3/4" Cemented with 500 SX  
TOC: Surface feet determined by <sup>CIRC</sup> calc  
Hole size: 15

Intermediate Casing

Size: 7-5/8" Cemented with 1136 SX  
TOC: Surface feet determined by calc  
Hole size: 9 7/8

Long String

Size: 5-1/2" Cemented with 800 SX  
TOC: 3780 feet determined by temp survey  
Hole size: 6 3/4

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) 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

INJECTION WELL DATA SHEET

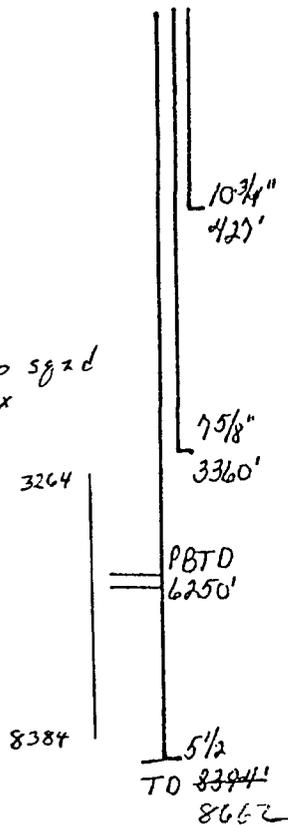
Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR	1980	LEASE		
#66	2080' FSL & 660' FEL	1	17S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
4-16-53

Converted to  
Injection 12/66

*liner top sgzd  
w/ 200 SX*



Surface Casing

Size: 10-3/4" Cemented with 500 SX

TOC: Surface feet determined by ~~calc~~ <sup>circ</sup>

Hole size: 15"

Intermediate Casing

Size: 7-5/8" Cemented with 2400 SX

TOC: Surface feet determined by ~~calc~~ <sup>circ</sup>

Hole size: 9-7/8"

Long String

Size: 5-1/2" Cemented with 950 SX

TOC: Surface feet determined by ~~80% calc~~ <sup>file</sup>

Hole size: 6-3/4"

Total Depth: 8394' 8662

Injection Interval

6134 feet to 6240 feet  
(perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with IPC set in a - packer  
at 6066 feet. (Or describe any other casing-tubing seal).

Other Data

- 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
  - 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

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INJECTION WELL DATA SHEET

Greenhill Petroleum Corp. Livingston Paddock  
 OPERATOR LEASE

71 660 FSL & 660 FEL 1 T17S-R36E  
 WELL NO. FOOTAGE LOCATION SEC. TOWNSHIP RANGE

Tubular Data

Surface Casing

Size: 13 3/8 " Cemented with 350 ~~1950~~ SX

TOC: Surface feet determined by circulation

Hole size: 17 1/2

Intermediate Casing

Size: 8 5/8 " Cemented with 1950 SX

TOC: 175 surface feet determined by file calc.

Hole Size: 11

Long String

Size: 5 1/2 " Cemented with 225 ~~560~~ SX

TOC: 5019-5000 feet determined by file 80% calc

Hole Size: \_\_\_\_\_

Total Depth: 6300

Injection Interval

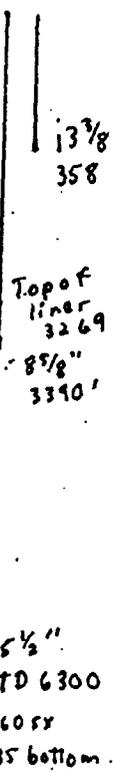
\_\_\_\_\_ feet to \_\_\_\_\_ feet  
(perforated or open-hole, indicate which)

Tubing size \_\_\_\_\_ lined with \_\_\_\_\_ set in a  
(material)  
\_\_\_\_\_ packer at \_\_\_\_\_ feet.  
(brand & model)  
(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation \_\_\_\_\_
- Name of Field or Pool (IF applicable) Paddock
- Is this a new well drilled for injection? No  
If no, for what purpose was the well originally drilled? production
- Has the well ever 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
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.  
Above Glorieta

Spud 5/6/56



Top of liner 3269 5 1/2 SX

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INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation      Lovington Paddock  
 OPERATOR      LEASE

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73      853 FSL & 853 FWL      1      T17S-R36E  
 WELL NO.      FOOTAGE LOCATION      SEC.      TOWNSHIP      RANGE

Tubular Data

Surface Casing

Size: 13 3/8 " Cemented with .300 SX  
 TOC: Surface feet determined by Cate  
 Hole size: 17 1/2

Intermediate Casing

Size: 8 5/8 " Cemented with 1500 SX  
 TOC: 1145 feet determined by TS  
 Hole Size: 11

Long String

Size: 5 1/2 " Cemented with 500 SX  
 TOC: 3381 feet determined by TS  
 Hole Size: 7 7/8  
 Total Depth: 6248

Injection Interval

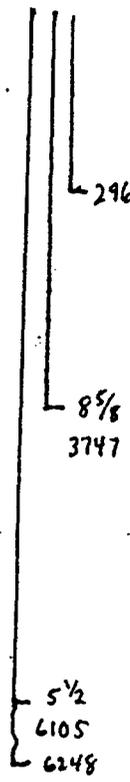
6105 feet to 6248 feet  
 (perforated or open-hole, indicate which)

Tubing size 2" lined with IPC set in a  
 (material)  
 packer at 6076 feet.  
 (brand & model)  
 (or describe any other casing-tubing seal).

Other Data

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

Completed  
 7/18/53  
 1/30/68  
 converted  
 to injection



INJECTION WELL DATA SHEET

Greenhill Petroleum Corp. OPERATOR Lovington Paddock LEASE

85 WELL NO. 1590 FWL & 1417 FNL FOOTAGE LOCATION Sec. 1 SEC. T17S-R36E TOWNSHIP RANGE

Tubular Data

Surface Casing

Size: 13 3/8" Cemented with 500 SX

TOC: Surface feet determined by Calc. CIRC.

Hole size: 17 1/2

Intermediate Casing

Size: 8 5/8" Cemented with 900 SX

TOC: 201 feet determined by 50% calc

Hole Size: 11

Long String

Size: 5 1/2" Cemented with 1230 SX

TOC: Surface feet determined by 80% calc

Hole Size: 7 7/8

Total Depth: 6400

Injection Interval

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

Tubing size lined with (material) set in a packer at feet. (brand & model) (or describe any other casing-tubing seal).

Other Data

- 1. Name of the injection formation
2. Name of Field or Pool (IF applicable) Lovington 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 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) Gloria

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington San Andres		
OPERATOR		LEASE		
#30	660 FNL & 660 FWL	1	T17S	R36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Surface Casing

Size: 13" Cemented with 200 SX  
 TOC: Surface feet determined by circulation

Hole size: 17 1/4

Intermediate Casing

Size: 8 5/8" Cemented with 500 SX  
 TOC: 1597 feet determined by 50% calc

Hole Size: 12"

Long String

Size: 5 1/2" Cemented with 300 SX  
 TOC: 2910 feet determined by 80% calc

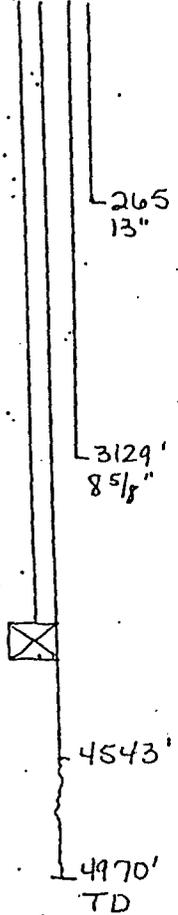
Hole Size: 7 7/8"

Total Depth: 4970'

Injection Interval

4543 feet to 4970 feet  
 (perforated or open-hole, indicate which)

Completed  
12/2/39



Tubing size 2" lined with IPC set in a  
 (material)  
Baker Model A packer at 4485 feet.  
 (brand & model)  
 (or describe any other casing-tubing seal).

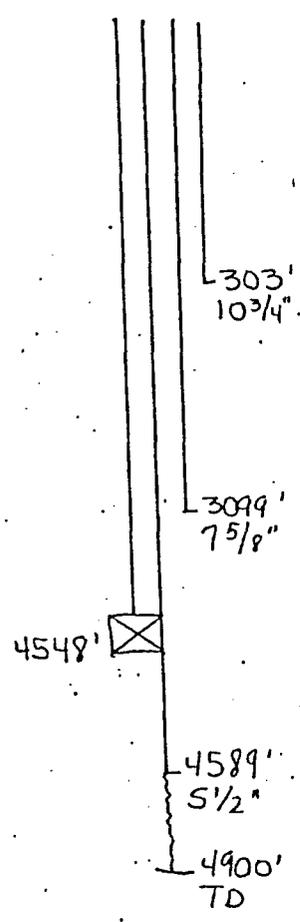
Other Data

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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington San Andres Unit		
OPERATOR		LEASE		
#32	660 FNL & 1980 FEL	1	T17S	R36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data



Surface Casing  
 Size: 10 3/4 " Cemented with 180 SX  
 TOC: Surface feet determined by circulation  
 Hole size: 13 3/4

Intermediate Casing  
 Size: 7 5/8 " Cemented with 265 SX  
 TOC: 2200' feet determined by 50% calc.  
 Hole Size: 9 7/8

Long String  
 Size: 5 1/2 " Cemented with 200 SX  
 TOC: 2326 feet determined by 80% calc.  
 Hole Size: 6 3/4"

Total Depth: 4900'

Injection Interval  
4589 feet to 4900 feet  
 (perforated or open-hole, indicate which)

Completed  
1/1/40

Tubing size 2 3/8" lined with IPC set in a  
 (material)  
Baker "A" Pension packer at 4548 feet.  
 (brand & model)  
 (or describe any other casing-tubing seal).

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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation OPERATOR Lovington San Andres Unit LEASE

#33 WELL NO. 660 FNL & 660 FEL FOOTAGE LOCATION 1 SEG. T17S TOWNSHIP R36E RANGE

Tubular Data

Surface Casing

Size: 13" Cemented with 200 SX TOC: 94 feet determined by 70% calc Hole size: 17 1/4"

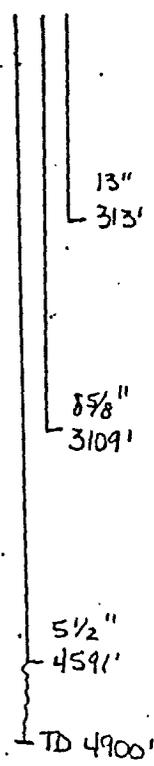
Intermediate Casing

Size: 8 5/8" Cemented with 250 SX TOC: 2352 feet determined by 70% calc Hole Size: 11"

Long String

Size: 5 1/2" Cemented with 200 SX TOC: 3702 feet determined by 70% calc Hole Size: 7 7/8"

Total Depth: 4900'



Completed 10/15/39

Injection Interval

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

Tubing size \_\_\_\_\_ lined with \_\_\_\_\_ set in a \_\_\_\_\_ packer at \_\_\_\_\_ feet. (brand & model) (or describe any other casing-tubing seal).

Other Data

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





INJECTION WELL DATA SHEET

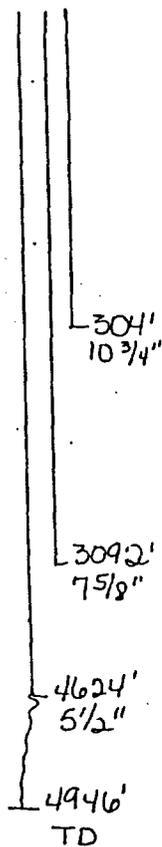
Greenhill Petroleum Corporation		Lovington San Andres		
OPERATOR		LEASE		
#46	660' FWL & 1980' FSL	1	17S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
12-7-41

P&A'd  
5-22-87

Squeeze 5 1/2" casing 2685-4150  
with 200 SSS.  
cut 5 1/2" at 2400'  
Spot 20 SSS. 2450-2350  
Pump 440 SSS. Displaced down  
7 5/8 to 1000'-



Surface Casing

Size: 10-3/4" Cemented with 175 SX

TOC: Surface feet determined by calc

Hole size: 15"

Intermediate Casing

Size: 7-5/8" Cemented with 300 SX

TOC: 1510 feet determined by calc

Hole Size: 9-7/8"

Long String

Size: 5-1/2" Cemented with 300 SX

TOC: 1235 <sup>310' P&A</sup> feet determined by calc

Hole Size: 6-3/4"

Total Depth: 4946'

Injection Interval

4624 feet to 4946 feet  
(perforated or open-hole, indicate which)

Tubing size 2" lined with IPC set in a  
(material)  
Baker Model 'A' packer at 4574 feet.  
(brand & model)  
(or describe any other casing-tubing seal).

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

15

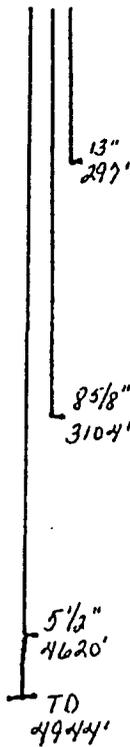
INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington San Andres		
OPERATOR		LEASE		
47	1980' FNL & <sup>1980</sup> 1986' FWL	1	17S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
7-6-39

Converted  
to Injection  
8-6-69



Surface Casing

Size: 13" Cemented with 250 SX  
 TOC: Surface feet determined by calc  
 Hole size: 17-1/4"

Intermediate Casing

Size: 8-5/8" Cemented with 500 SX  
 TOC: 1572 feet determined by 50% calc  
 Hole size: 11"

Long String

Size: 5-1/2" Cemented with 230 SX  
 TOC: 3367 feet determined by 80% calc  
 Hole size: 7-7/8"

Total Depth: 4944'

Injection Interval

4620 feet to 4935 feet  
 (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

- 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 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

## INJECTION WELL DATA SHEET

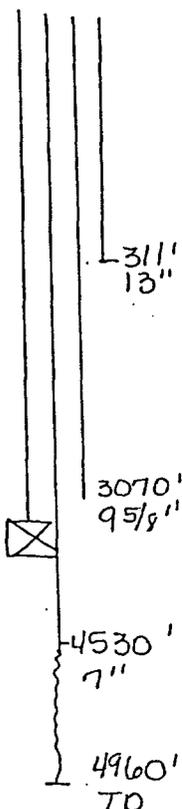
Greenhill Petroleum Corporation		Lovington San Andres		
OPERATOR		LEASE		
#48	1980' FSL & 1980' FEL	1	17S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular DataSurface CasingSize: 13 " Cemented with 250 SXTOC: Surface feet determined by calcHole size: 17-1/4"Intermediate CasingSize: 9-5/8 " Cemented with 250 SXTOC: 2251 feet determined by calcHole Size: 12"Long StringSize: 7 " Cemented with 225 SXTOC: 3119 feet determined by calcHole Size: 8-3/4"Total Depth: 4960'Injection Interval4530 feet to 4960 feet  
(perforated or open-hole, indicate which)Tubing size 2-7/8" lined with IPC set in a  
(material)Baker Model 'A' packer at 4526 feet.  
(brand & model)

(or describe any other casing-tubing seal).

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

Completed  
5-21-39

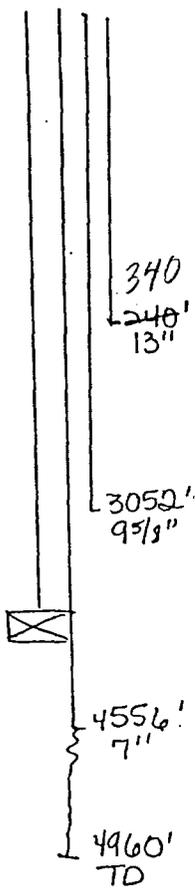
INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation	Lovington San Andres			
OPERATOR	LEASE			
#49	1980' FSL & 660' FEL	1	17S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
7-2-39

Converted  
7-14-76



Surface Casing

Size: 13 " Cemented with 250 SX

TOC: Surface feet determined by circ.

Hole size: ?

Intermediate Casing

Size: 9-5/8" " Cemented with 250 SX

TOC: 2350 feet determined by calc

Hole Size: ?

Long String

Size: 7 " Cemented with 259' SX

TOC: 3090 feet determined by calc

Hole Size: ?

Total Depth: 4960'

Injection Interval

4556 feet to 4960 feet  
(perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with IPC set in a  
Baker Model AD-1 packer at 4417 feet.  
 (brand & model)

(or describe any other casing-tubing seal).

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

INJECTION WELL DATA SHEET

Penroc Oil Corporation State E TR.17  
 OPERATOR LEASE

5 990 FSL & 660 FEL 1 T17S R36E  
 WELL NO. FOOTAGE LOCATION SEC. TOWNSHIP RANGE

Tubular Data

Surface Casing

Size: 13 " Cemented with 200 SX  
 TOC: Surface feet determined by circ.  
 Hole size: 17

Intermediate Casing

Size: 8 5/8 " Cemented with 500 SX  
 TOC: 1550 feet determined by 50% calc  
 Hole Size: 11

Long String

Size: 5 1/2 " Cemented with 300 SX  
 TOC: 2921 feet determined by 80% calc  
 Hole Size: 7 7/8  
 Total Depth: 4977

Injection Interval

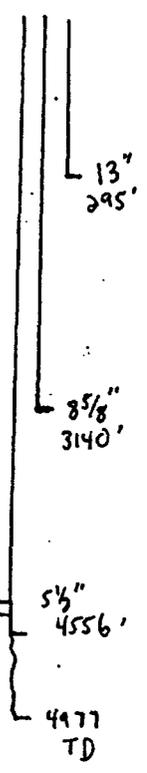
                     feet to                      feet  
 (perforated or open-hole, indicate which)

Tubing size                      lined with                      set in a  
                     (material)  
                     packer at                      feet.  
 (brand & model)  
 (or describe any other casing-tubing seal).

Other Data

- Name of the injection formation
- Name of Field or Pool (If applicable) Leavington Queen
- 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
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.  
Below Grayburg

TA - 10/1/49  
 TA - 4/20/65  
 Current 1/2  
 perf in Queen  
 3908 - 3930



INJECTION WELL DATA SHEET

PENROC	State "E" TR 18			
OPERATOR	LEASE			
17	1650' FNL & 2310' FWL	1	17S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Surface Casing

Size: 13-3/8 " Cemented with 275 SX

TOC: Surface feet determined by calc

Hole size: 17-1/2"

Intermediate Casing

Size: 9-5/8 " Cemented with 300 SX

TOC: 2316 feet determined by 507 calc

Hole Size: 12-1/4"

Long String

Size: 7 " Cemented with 500 SX

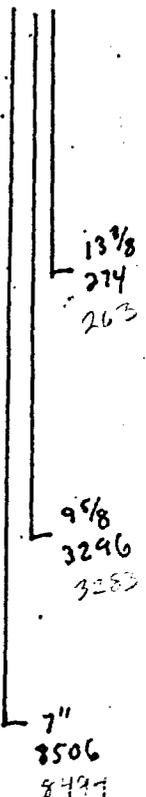
TOC: 5175 feet determined by Temp Survey

Hole Size: 8-3/4"

Total Depth: 8506'

Injection Interval

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



Tubing size \_\_\_\_\_ lined with \_\_\_\_\_ set in a  
 \_\_\_\_\_ (material)  
 \_\_\_\_\_ packer at \_\_\_\_\_ feet.  
 (brand & model)  
 (or describe any other casing-tubing seal).

Other Data

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

Above Drinkard

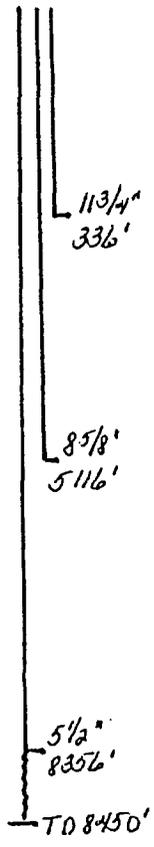


INJECTION WELL DATA SHEET

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

Tubular Data

Completed  
3-17-73



Surface Casing

Size: 11-3/4" Cemented with 635 SX  
 TOC: Surface feet determined by calc  
 Hole size: 17-1/2"

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  
 Hole size: 7-7/8"

Total Depth: 8450'

Injection Interval

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

Tubing size - lined with - set in a - packer  
 at - feet. (Or describe any other casing-tubing seal).

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

F. ✓

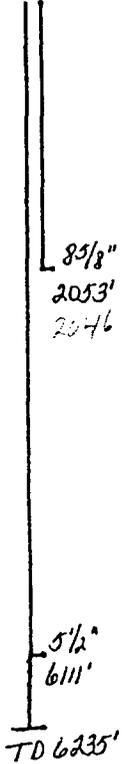
INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
#45	660' FNL & 330' <sup>FCL</sup> <del>FWE</del>	2	17S	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 <sup>Calc</sup>~~calc~~  
 Hole size: 12-1/2"

Intermediate Casing

Size: 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  
 Hole size: 7-7/8"

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

- 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
  - 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

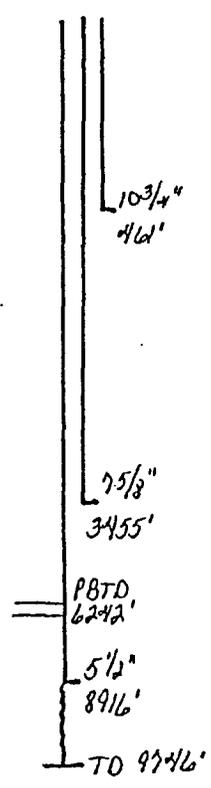
INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
#62	1980' FSL & 560' FEL	2	17S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
6-19-53

5 1/2" liner  
3258 - 8916



Surface Casing 400  
 Size: 10-3/4" Cemented with 600 SX  
 TOC: Surface feet determined by calc  
 Hole size: 13-3/4"

Intermediate Casing 1400  
 Size: 7-5/8" Cemented with 1136 SX  
 TOC: Surface feet determined by calc  
 Hole size: 9-7/8"

Long String  
 Size: 5-1/2" Cemented with 800 SX  
 TOC: ~~Surface~~ <sup>Top of liner</sup> feet determined by ~~80% calc~~ <sup>file</sup>  
 Hole size: 6-3/4"  
 Total Depth: 9746'

Injection Interval  
 6169 feet to 6194 feet  
 (perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with IPC set in a - packer  
 at 6073 feet. (Or describe any other casing-tubing seal).

Other Data

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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington San Andres Unit		
OPERATOR		LEASE		
#28	660 FNL & 1980 FEL	2	T17S	R36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Surface Casing

Size: 13 " Cemented with 175 SX  
 TOC: Surface feet determined by circulation  
 Hole size: 17 1/2"

Intermediate Casing

Size: 8 5/8 " Cemented with 600 SX  
 TOC: 233 feet determined by 50% calc  
 Hole Size: 11"

Long String

Size: 5 1/2 " Cemented with 400 SX  
 TOC: 2421 feet determined by 80% calc  
 Hole Size: 7 7/8 "

Total Depth: 5068'

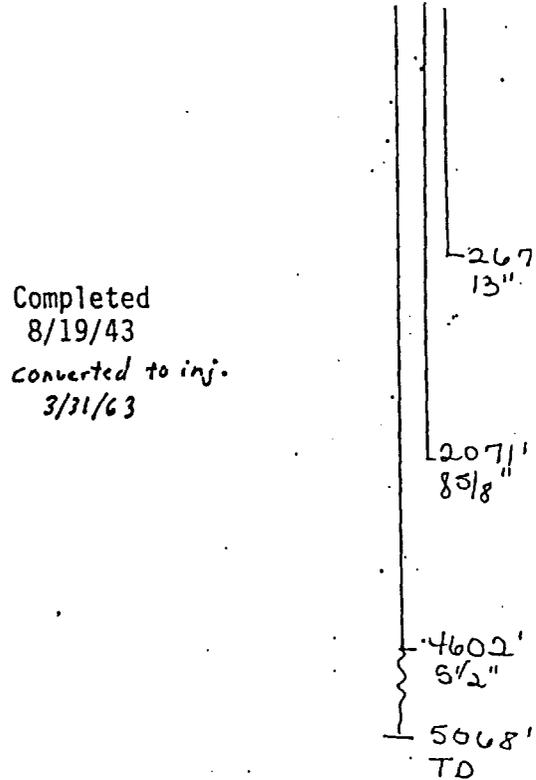
Injection Interval

4602 - 5068 feet to \_\_\_\_\_ feet  
 (perforated or open-holes, indicate which)

Tubing size 2" lined with \_\_\_\_\_ IPC set in a  
 \_\_\_\_\_ (material)  
Baker Model A packer at 4543 feet.  
 (brand & model)  
 (or describe any other casing-tubing seal).

Other Data

- Name of the injection formation \_\_\_\_\_
- 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
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.  
Underlying - Grayburg



INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation OPERATOR Lovington San Andres Unit LEASE  
 #29 WELL NO. 660 FNL & 660 FEL FOOTAGE LOCATION 2 SEC. T17S TOWNSHIP R36E RANGE

Tubular Data

Surface Casing

Size: 13 " Cemented with 215 SX  
 TOC: Surface feet determined by calc  
 Hole size: 17"

264' Intermediate Casing  
 13"

Size: 8 5/8 " Cemented with 600 SX  
 TOC: 218 feet determined by 50% calc  
 Hole Size: 11"

Long String

2056'  
 8 5/8"

Size: 5 1/2 " Cemented with 380 SX  
 TOC: 2518 feet determined by 80% calc  
 Hole Size: 7 7/8"

Total Depth: 4980'

4540'  
 7 7/8"

Injection Interval

4980'  
 TD

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

Completed  
 1/21/42

Tubing size \_\_\_\_\_ lined with \_\_\_\_\_ set in a  
 \_\_\_\_\_ (material)  
 \_\_\_\_\_ packer at \_\_\_\_\_ feet.  
 (brand & model)  
 (or describe any other casing-tubing seal).

Other Data

- Name of the injection formation \_\_\_\_\_
- 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
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

Underlying - Grayburg



SWD

120

INJECTION WELL DATA SHEET

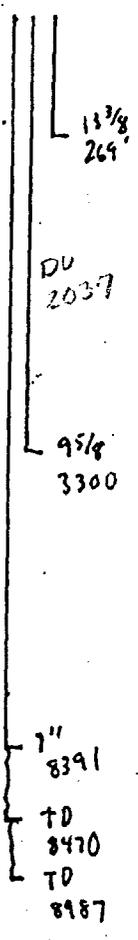
Penroc	State E TR 18			
OPERATOR	LEASE			
21	660' FNL & 1650' FEL	2	17S	36E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed 11-9-53

Converted to SWD 3-9-79

Deepened to 8987' 3-9-79



Surface Casing

Size: 13-3/8" Cemented with 275 SX

TOC: Surface feet determined by Circ Calc

Hole size: 17-1/2"

Intermediate Casing

Size: 9-5/8" Cemented with 300 SX

TOC: feet determined by

Hole Size: 12-1/4"

Long String

Size: 7" Cemented with 550 SX

TOC: 3375 feet determined by ramp survey

Hole Size: 8-3/4"

Total Depth: 8470'

Injection Interval

8391 feet to 8987 feet (perforated or open-hole, indicate which)

Tubing size 2-1/2" lined with IPC set in a (material) packer at 8378 feet.

(brand & model)  
(or describe any other casing-tubing seal).

Other Data

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

7" CSS sized w/  
600SX at 4922  
TOC 3375 by TS.

150 below &  
150 thru DU  
Tool

+550. per lte

INJECTION WELL DATA SHEET

Penroc OPERATOR	State E TR 18 LEASE			
22 WELL NO.	1650' FNL & 1650' FEL FOOTAGE LOCATION	2 SEC.	17S TOWNSHIP	36E RANGE

Tubular Data

Completed  
5-9-54

Converted to  
Injection and  
Deepened 12-27-80

Sidetracked fish &  
Kicked off to 8443'.  
Drld. to 9000'. Run  
packer & tbg to 8150'.  
Packer set @ 8302'.  
Ran tailpipe & set  
packer @ 8272'

3-10-82  
SG = 5 1/2 from 3900  
with 1500 SX after  
running CBL from  
8150 - 3600

10-23-80  
SG = 5 1/2 from 4360  
w/ 450 SX

Surface Casing  
Size: 13-3/8" Cemented with 275 SX  
TOC: Surface feet determined by calc  
Hole size: 13 3/8"

Intermediate Casing  
Size: 9-5/8" Cemented with 300 SX  
TOC: 2661 feet determined by 50% calc  
Hole Size: 12-1/4"

Long String  
Size: 5-1/2" Cemented with 835+835 cu ft SX  
TOC: 2279 feet determined by 80% calc  
Hole Size: 8-5/8"

Total Depth: 8477'

Injection Interval  
8242 feet to 8316 feet  
(perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with IPC set in a  
(material) packer at 8272 feet.  
(brand & model)  
(or describe any other casing-tubing seal).

13 3/8  
252

DV  
2106

9 5/8  
3275

5 1/2  
8330

9000'  
TD

Deepened  
12/80

150 SX below  
6150 thru  
DV Tool

Other Data

- Name of the injection formation Abo
- Name of Field or Pool (If applicable) Lovington Abo
- Is this a new well drilled for injection? No Production  
If no, for what purpose was the well originally drilled? \_\_\_\_\_
- 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).  
\_\_\_\_\_
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.  
Above Drinkard

SWD

INJECTION WELL DATA SHEET

122

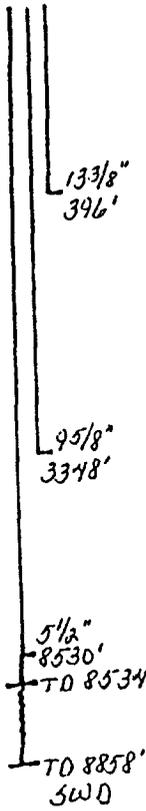
Rice Engineering  
~~Ohio Oil Company~~

*Abo SWD System*  
~~State B 4286 "A"~~

OPERATOR	LEASE			
1	2			
2310' FWL & 990' FNL	17S 36E			
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
2-8-54  
  
Rice Engrg.  
Deepened to  
8858' &  
Converted to  
a SWD Well



Surface Casing

Size: 13-3/8" Cemented with 350 SX  
TOC: Surface feet determined by <sup>circ</sup> calc

Hole size: 17-1/2"

Intermediate Casing

Size: 9-5/8" Cemented with 1750 SX  
TOC: Circ to Sur. feet determined by calc

Hole size: 12"

Long String

Size: 5-1/2" Cemented with 1350 SX  
TOC: 3484 feet determined by 80% calc

Hole size: 8-3/4"

Total Depth: 8534'

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.

INJECTION WELL DATA SHEET

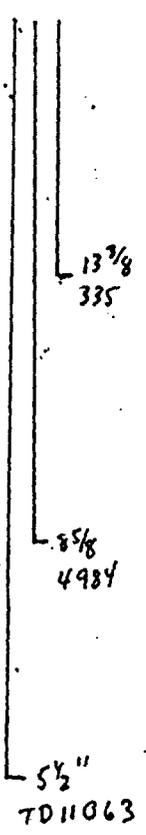
Texaco		State "V"		
OPERATOR		LEASE		
1	660' FWL & 660' FNL	5	17S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
6-20-52

5 1/2 liner  
4803-11063  
TOC 7010 file

6-20-55  
582 liner from  
6648-6650 w/  
280 SX  
TOC 5740



Surface Casing

Size: 13-3/8 " Cemented with 350 SX  
 TOC: Surface feet determined by calc  
 Hole size: 17-1/4"

Intermediate Casing

Size: 8-5/8 " Cemented with 3167 3000 SX  
 TOC: Surface feet determined by Circ calc  
 Hole Size: 11"

Long String

Size: 5-1/2 " Cemented with 732 SX  
 Liner behind intermediate  
 TOC: \_\_\_\_\_ feet determined by \_\_\_\_\_  
 Hole Size: 7-7/8"

Total Depth: 11,063'

Injection Interval

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

Tubing size \_\_\_\_\_ lined with \_\_\_\_\_ set in a  
 \_\_\_\_\_ (material) \_\_\_\_\_ feet.  
 \_\_\_\_\_ packer at \_\_\_\_\_ feet.  
 (brand & model)  
 (or describe any other casing-tubing seal).

Other Data

- Name of the injection formation \_\_\_\_\_
- Name of Field or Pool (If applicable) East-Lovington-(Penn) 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 be perforated in any other zone(s)? List all such perforated intervals 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 this area.  
Above Abo

INJECTION WELL DATA SHEET

*Texaco Producing*  
~~Tidewater Oil Company~~

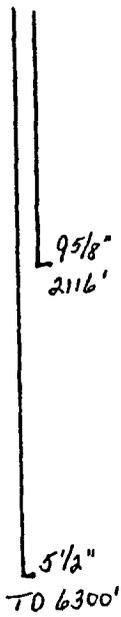
H. L. Batton "A"

OPERATOR	1650	LEASE		
1	1653' FNL & 330' FWL	5	17S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
5-2-57

Cased Hole



Surface Casing

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

TOC: Surface feet determined by calc

Hole size: 12-1/4"

Intermediate Casing

Size: Cemented with SX

TOC: feet determined by

Hole size:

Long String

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

TOC: 1940 feet determined by 80% 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

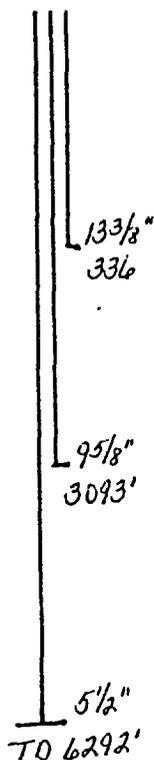
1. Name of the injection formation:
  2. Name of Field or Pool (If applicable) Lovington Paddock
  3. Is this a new well drilled for Injection? No  
If no, for what purpose was the well originally drilled? Production
  4. Has the well ever been perforated in any other zone(s)? List all such perforated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

INJECTION WELL DATA SHEET

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

Tubular Data

Spud Date  
7-31-53



Surface Casing

Size: 13-3/8" Cemented with 300 SX  
Circ  
TOC: Surface feet determined by calc  
Hole size: 17/4

Intermediate Casing

Size: 9-5/8" Cemented with 1550 SX  
Circ  
TOC: Surface feet determined by calc  
Hole size: 12 1/2

Long String

Size: 5-1/2" Cemented with 500 SX  
450  
TOC: ~~4100~~ 4150 feet determined by temp survey  
Hole size: 8 3/4

Total Depth: 6292'

Injection Interval

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

INJECTION WELL DATA SHEET

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Greenhill Petroleum Corporation

Lovington Paddock

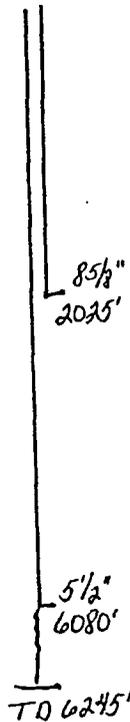
OPERATOR #51	(1740 FWL) 3540' FEL & 480' FNL	LEASE 6	17S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completion:  
9-23-53

Converted to  
Injection 12/66

59 2 15 SX at 4590-91.



Surface Casing

Size: 8-5/8" Cemented with 950 SX  
 TOC: Surface feet determined by <sup>CIP</sup>calc  
 Hole size: 11

Intermediate Casing

Size: Cemented with SX  
 TOC: feet determined by  
 Hole size:

Long String

Size: 5-1/2" Cemented with 275 SX  
 TOC: 4050 feet determined by 70% calc  
 Hole size: 7 7/8  
 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

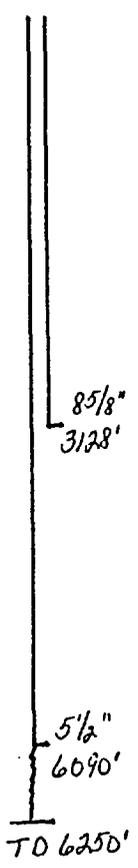
- Name of the injection formation: Paddock
  - Name of Field or Pool (If applicable) Paddock
  - Is this a new well drilled for Injection? No  
 If no, for what purpose was the well originally drilled? Production
  - Has the well ever been perforated in any other zone(s)? List all such perforated intervals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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
#52	510' FNL & 2190' FEL	6	17S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Spud Date  
10-31-53



Surface Casing

Size: 8-5/8" Cemented with 1425 SX  
 TOC: Surface feet determined by <sup>Circ</sup> ~~calc~~  
 Hole size: //

Intermediate Casing

Size: Cemented with SX  
 TOC: feet determined by  
 Hole size:

Long String

Size: 5-1/2" Cemented with 400 SX  
 TOC: 4220 feet determined by temp survey  
 Hole size: 7 7/8

Total Depth: 6250'

Injection Interval

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

Tubing size - lined with - set in a - packer  
 at - feet. (Or describe any other casing-tubing seal).

Other Data

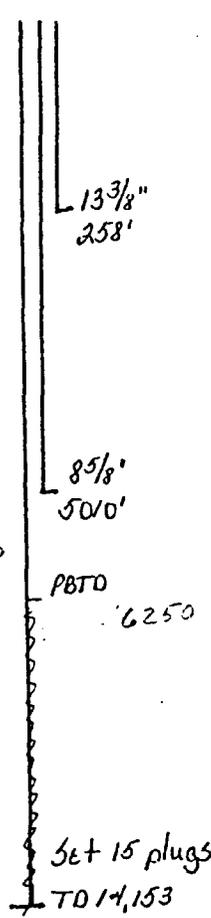
- Name of the injection formation:
- Name of Field or Pool (If applicable) Paddock
- Is this a new well drilled for Injection? No  
 If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
#53	330' FNL & 840' FEL	6	17S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Spud Date  
10-52



Surface Casing

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

TOC: Surface feet determined by <sup>Circ</sup>calc

Hole size:

Intermediate Casing

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

TOC: 808 feet determined by temp survey

Hole size:

Long String

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

TOC: 4116 feet determined by temp survey

Hole size:

Total Depth: 14,153'

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

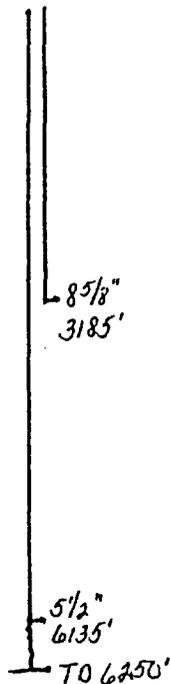
1. Name of the injection formation: Paddock
  2. Name of Field or Pool (If applicable) Paddock
  3. Is this a new well drilled for Injection? No  
If no, for what purpose was the well originally drilled? Production
  4. Has the well ever been perforated in any other zone(s)? List all such perforated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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
#54	1650' FNL & 660' FEL	6	17S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Spud Date  
2-6-54



Surface Casing

Size: 8-5/8" Cemented with 1595 SX  
 TOC: Surface feet determined by <sup>CIRC</sup> catc  
 Hole size: //

Intermediate Casing

Size: Cemented with SX  
 TOC: feet determined by  
 Hole size:

Long String

Size: 5-1/2" Cemented with 435 SX  
 TOC: 3537 feet determined by temp survey  
 Hole size: 7 7/8

Total Depth: 6250'

Injection Interval

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

Tubing size - lined with - set in a - packer  
 at - feet. (Or describe any other casing-tubing seal).

Other Data

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

VI

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation

Lovington Paddock

OPERATOR

LEASE

#55 1879' FNL & 2248' FEL

6 17S 37E

WELL NO.

FOOTAGE LOCATION

SEC.

TOWNSHIP

RANGE

Tubular Data

Completion  
6-20-53

Converted to  
Injection 1/71



Surface Casing

Size: 8-5/8" Cemented with <sup>1025</sup> ~~1595~~ SX

TOC: Surface feet determined by <sup>CIRC</sup> ~~calc~~

Hole size: 11

Intermediate Casing

Size: Cemented with SX

TOC: feet determined by

Hole size:

Long String

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

TOC: 3971 feet determined by 80% calc

Hole size: 7 7/8

Total Depth: 6250'

Injection Interval

6120 feet to 6250 feet  
(perforated or open-hole, indicate which)

Tubing size 2-3/8 lined with IPC set in a packer  
at 6067 feet. (Or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation: 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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
#56	1650' FNL & 1733' FWL	6	17S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Spud Date  
10-7-53



Surface Casing

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

TOC: Surface feet determined by calc

Hole size: //

Intermediate Casing

Size: Cemented with SX

TOC: feet determined by

Hole size:

Long String

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

TOC: 4139 feet determined by temp survey

Hole size: 7 9/16

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

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

137  
P

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR		LEASE		
# 57	FNL 1980' A & 695' FEL	6	17S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
6-13-52



Surface Casing

Size: 13-3/8 " Cemented with 300 SX  
 TOC: Surface feet determined by calc  
 Hole size: 17 1/2

Intermediate Casing

Size: 8-5/8 " Cemented with 1400 SX  
 TOC: Surface feet determined by calc  
 Hole Size: 11

Long String

Size: 5-1/2 " Cemented with 550 SX  
 TOC: 5454 4820 feet determined by TS  
 Hole Size: 7 3/4  
 Total Depth: 8450

Injection Interval

6018  
~~6028~~ ~~5220~~ feet to 6187 feet  
 (perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with IPC (material) set in a  
         packer at 6018 feet.  
 (brand & model)  
 (or describe any other casing-tubing seal).

Other Data

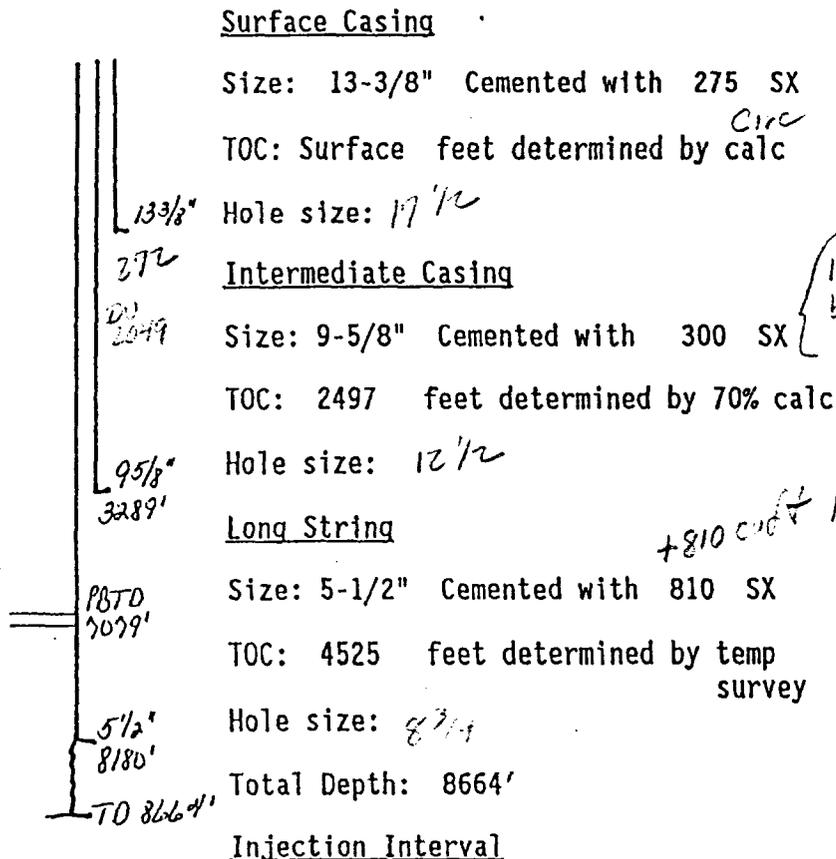
- Name of the injection formation Paddock
- Name of Field or Pool (If applicable) Paddock
- Is this a new well drilled for injection? No  
 If no, for what purpose was the well originally drilled? Production
- Has the well ever be perforated in any other zone(s)? List all such perforated intervals and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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington Paddock		
OPERATOR #67	2310 2210' FSL & 660' FWL	LEASE 6	17S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Spud Date  
1-23-54



Surface Casing

Size: 13-3/8" Cemented with 275 SX  
 TOC: Surface feet determined by calc  
 Hole size: 17 1/2"

Intermediate Casing

Size: 9-5/8" Cemented with 300 SX  
 TOC: 2497 feet determined by 70% calc  
 Hole size: 12 1/2"

Long String

Size: 5-1/2" Cemented with 810 SX  
 TOC: 4525 feet determined by temp survey  
 Hole size: 8 3/4"  
 Total Depth: 8664'

Injection Interval

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

Tubing size - lined with - set in a - packer

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

Other Data

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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovinton San Andres Unit		
OPERATOR		LEASE		
#34	660 FNL & 615 FWL	6	T17S	R37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Surface Casing

Size: 13 " Cemented with 200 SX  
 TOC: Surface feet determined by circulation  
 Hole size: ~~17 1/4~~ 15

Intermediate Casing

Size: 9 5/8 " Cemented with 500 SX  
 TOC: 1956 feet determined by 50% calc  
 Hole Size: 12"

Long String

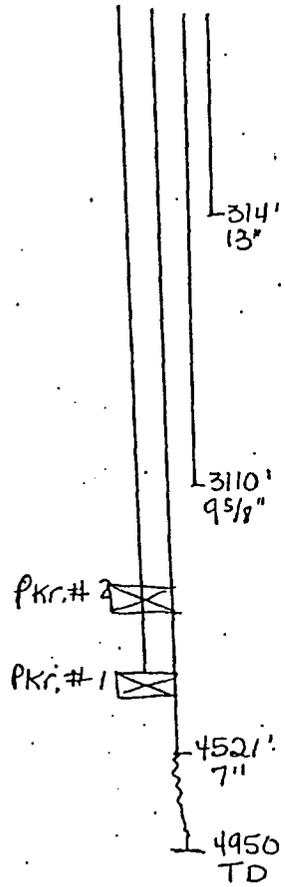
Size: 7 " Cemented with 200 SX  
 TOC: 3264 feet determined by 80% calc  
 Hole Size: 8 3/4"

Total Depth: 4950'

Injection Interval

4521 feet to 4950 feet  
 (perforated or open-hole, indicate which)

Completed  
 1/27/53  
 Pkr. 7/10/63  
 Pkr. 6/14/72



Packer #1  
 Tubing size 2" lined with IPC set in a  
Baker "A" Pension packer at 4498 feet.  
 (brand & model)

(or describe any other casing-tubing seal). Packer #2 - 2 3/8" plastic lined tbg. set in a 7" Guiberson Packer @ 4470'.

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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington San Andres Unit		
OPERATOR		LEASE		
#36	660 FNL & 2040 FEL	6	T17S	R37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Surface Casing

Size: 13" Cemented with 200 SX

TOC: Surface feet determined by circulation

Hole size: 14 3/4"

Intermediate Casing

Size: 8 5/8" Cemented with 400 SX

TOC: 1774 feet determined by 50% calc

Hole Size: 10 1/4"

Long String

Size: 5 1/2" Cemented with 125 SX

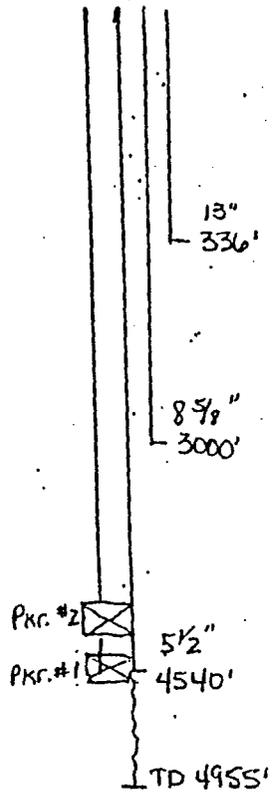
TOC: 3127 feet determined by 80% calc

Hole Size: 6 3/4"

Total Depth: 4955'

Injection Interval

4540 feet to 4955 feet (perforated or open-hole, indicate which)



Completed 9/12/39

Pkr. #1 3/22/63

Pkr. #2 1/25/79

Pkr. #1  
 Tubing size 2 3/8 lined with IPC set in a Baker "A" Pension packer at 4466 feet. (brand & model)  
 (or describe any other casing-tubing seal). Pkr. #2 Howco R-3 set @ 4435'.

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



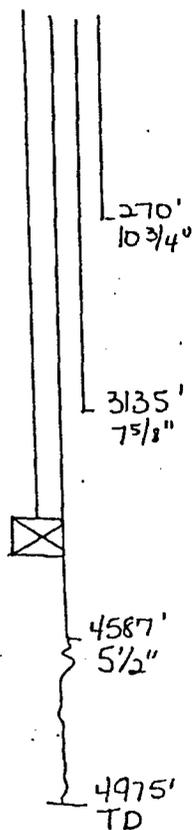
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INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington San Andres		
OPERATOR		LEASE		
#50	1980' FSL & 660' FWL	6	17S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
10-2-39



Surface Casing

Size: 10-3/4 " Cemented with 200 SX  
 TOC: Surface feet determined by circ  
 Hole size: 13-3/4"

Intermediate Casing

Size: 7-5/8 " Cemented with 400 SX  
 TOC: 1026 feet determined by calc  
 Hole Size: 9-7/8"

Long String

Size: 5-1/2 " Cemented with 175 SX  
 TOC: 2611 feet determined by calc  
 Hole Size: 6-3/4"

Total Depth: 4975'

Injection Interval

4587 feet to 4975 feet  
(perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with IPC set in a  
 (material)  
R-3 Tension packer at 4460 feet.  
 (brand & model)  
 (or describe any other casing-tubing seal).

Other Data

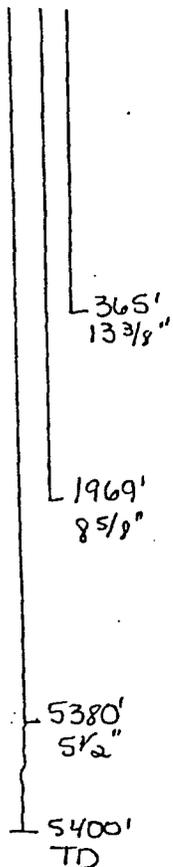
- Name of the injection formation San Andres
- Name of Field or Pool (If applicable) Lovington San Andres
- Is this a new well drilled for injection? No  
If no, for what purpose was the well originally drilled? Production
- Has the well ever be perforated in any other zone(s)? List all such perforated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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation		Lovington San Andres		
OPERATOR		LEASE		
#61	2545' FNL & 100' FWL	6	17S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
3-15-90



Surface Casing

Size: 13-3/8 " Cemented with 450 SX  
 TOC: Surface feet determined by circ.  
 Hole size: 17-1/2"

Intermediate Casing

Size: 8-5/8 " Cemented with 800 SX  
 TOC: Surface feet determined by calc  
 Hole Size: 12-1/4"

Long String

Size: 5-1/2 " Cemented with 940 SX  
 TOC: 262 feet determined by calc  
 Hole Size: 7-7/8"

Total Depth: 5400'

Injection Interval

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

Tubing size                      lined with                      set in a  
                     (material) packer at                      feet.  
 (brand & model)  
 (or describe any other casing-tubing seal).

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

## INJECTION WELL DATA SHEET

Oryx Energy Company		Maggie Caylor		
OPERATOR		LEASE		
3	660' FNL & 665' FWL	6	17S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

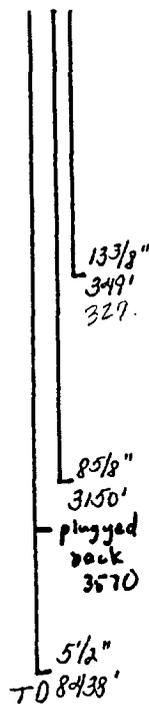
Tubular Data

Completed  
3-19-52

Sidetrack  
6-28-90

Well Plugged  
Back to 3570'  
Wellbore has  
8-5/8" csg.  
set @ 3150' &  
cmtd. w/1200  
SXS  
sidetracked

5 1/2" rot at 5297'  
325X below 170 above  
TOC 3570

Surface Casing

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

Hole size: 17-1/4"

Intermediate Casing

Size: 8-5/8" Cemented with 1200 SX  
TOC: Surface feet determined by calc

Hole size: 11"

Long String

Size: 5-1/2" Cemented with 410 SX  
TOC: ~~6057~~ <sup>3117</sup> feet determined by ~~80% calc~~ <sup>temp survey</sup>  
provided by Oryx

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).

Other Data

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

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

(Above) Drinkard

INJECTION WELL DATA SHEET

Oryx Energy Co.      C. S. Caylor Sr. Estate  
 OPERATOR      LEASE  
7      1650 N 330 W 6      17 S      37 E  
 WELL NO.      FOOTAGE LOCATION      SECTION      TOWNSHIP      RANGE

Schematic

4 1/2 8 7/8 13 3/8

Tabular Data

Surface Casing  
 Size 13 3/8 "      Cemented with 375 sx.  
 TOC Surface feet determined by Circ  
 Hole size 17 1/2  
 375 Intermediate Casing  
 Size 8 5/8 "      Cemented with 833 sx.  
 TOC 670 feet determined by Temp Survey  
 Hole size 11  
 3225 Long string  
 Size 4 1/2 "      Cemented with 3188 sx.  
 TOC Surface feet determined by CIRC  
 Hole size 7 7/8  
 Total depth 8430  
 Injection interval  
 8404 \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 (perforated or open-hole, indicate which)  
 1D 8430

Tubing size \_\_\_\_\_ lined with \_\_\_\_\_ set in a  
 \_\_\_\_\_ (material)  
 \_\_\_\_\_ packer at \_\_\_\_\_ feet  
 \_\_\_\_\_ (brand and model)  
 (or describe any other casing-tubing seal).

Other Data

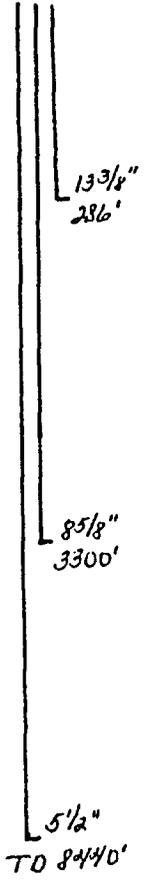
1. Name of the injection formation \_\_\_\_\_
2. Name of field or Pool (if applicable) \_\_\_\_\_
3. Is this a new well drilled for injection?  Yes  No  
 If no, for what purpose was the well originally drilled? \_\_\_\_\_
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (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. \_\_\_\_\_

INJECTION WELL DATA SHEET

Penroc	C. S. Caylor			
OPERATOR	660' FNL & 3393' FET		LEASE	
3	1827 FNL		6	17S 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 <sup>CIRC</sup> calc  
 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"

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'

Injection Interval

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

Tubing size - lined with - set in a - packer  
 at - feet. (Or describe any other casing-tubing seal).

Other Data

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

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

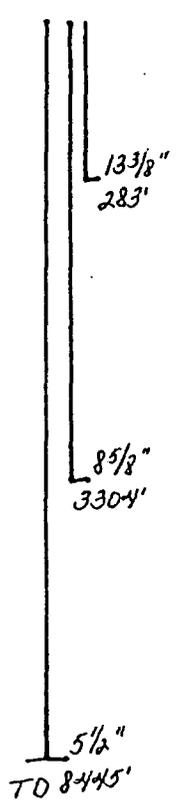
(Above) Drinkard

INJECTION WELL DATA SHEET

Penroc	C. S. Caylor			
OPERATOR	LEASE			
4F	1653' FNL & 1558' FWL	6	17S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
7-14-52



Surface Casing

Size: 13-3/8" Cemented with 280 SX  
 TOC: Surface feet determined by calc  
 Hole size: 18"

Intermediate Casing

Size: 8-5/8" Cemented with 800 SX  
 TOC: 853 feet determined by 50% calc  
 Hole size: 12-1/4"

Long String

Size: 5-1/2" Cemented with 800 SX  
 TOC: 4087 feet determined by 80% calc  
 Hole size: 7-7/8"

Total Depth: 8445'

Injection Interval

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

Tubing size - lined with - set in a - 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

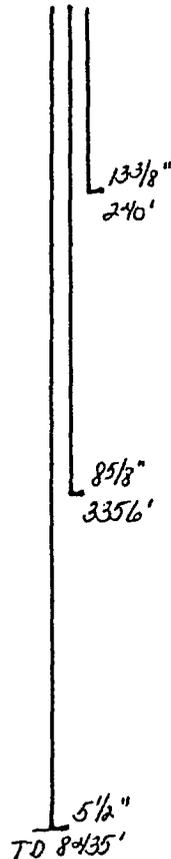
INJECTION WELL DATA SHEET

100

Texaco		C. S. Caylor		
OPERATOR		LEASE		
3	330' FNL & 2310' FEL	6	17S	37E
WELL NO.	FOOTAGE LOCATION	SEC.	TOWNSHIP	RANGE

Tubular Data

Completed  
6-17-52



Surface Casing

Size: 13-3/8" Cemented with 240 SX  
TOC: Surface feet determined by <sup>CIRC</sup> ~~calc~~

Hole size: 18"

Intermediate Casing

Size: 8-5/8" Cemented with 800 SX  
TOC: 905 feet determined by 50% calc

Hole size: 12-1/4"

Long String

Size: 5-1/2" Cemented with <sup>750</sup> ~~450~~ SX  
TOC: 3270 feet determined by temp survey

Hole size: 7-7/8"

Total Depth: 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

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

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

(Above) Drinkard

INJECTION WELL DATA SHEET

Texaco OPERATOR C. S. Caylor LEASE

4 WELL NO. 2179' ENL & 2173' FEEL FOOTAGE LOCATION 6 SEC. 17S TOWNSHIP 37E RANGE

Tubular Data

Completed  
8-14-52  
  
Recompleted  
San Andres  
6-14-89  
  
PBSD 7915  
Perf 4600-4784'

Dec 27  
Sg 2 5 1/2 of 49812  
5042 w/150 SF  
Y-... 38 SF  
  
Mch 80  
Sg 2 5 1/2 from 5010 to  
4195 w/150 SF

13 3/8  
244'  
  
5 1/2  
3253  
  
7915  
PBSD  
  
5 1/2  
8200  
  
7D  
8665

Surface Casing  
Size: 13-3/8" Cemented with 250 SX  
TOC: Surface feet determined by calc  
Hole size: 17-1/4"

Intermediate Casing  
Size: 8-5/8" Cemented with 1800 SX  
TOC: Surface feet determined by calc  
Hole Size: 12-1/4"

Long String  
Size: 5-1/2" Cemented with 600 SX  
TOC: 4377 feet determined by 80% calc  
Hole Size: 7-7/8"

Total Depth: 8665'

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

Tubing size - lined with - set in a  
(material)  
- packer at - feet.  
(brand & model)  
(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation \_\_\_\_\_
- Name of Field or Pool (If applicable) Lovington Abo
- Is this a new well drilled for injection? No  
If no, for what purpose was the well originally drilled? Production
- Has the well ever be perforated in any other zone(s)? List all such perforated intervals 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 this area.  
Above Drinkard