



GREENHILL PETROLEUM CORPORATION

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

Incorporated in Delaware, U.S.A.

August 29, 1990

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

Attn: Mr. David Catanach

Re: Lovington San Andres Unit
Lea County, NM

Dear Mr. Catanach:

Enclosed find the C-108 and attachments covering the conversion to injection wells in the Lovington San Andres Unit area. We propose converting the following wells:

Well Numbers: 3, 5, 7, 10, 12, 13, 15, 17, 25, 31, 35, 37, 39,
40, 43, 45, 57, and 58.

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

Very truly yours,

Michael J. Newport
Landman

MJN:ntd
Enclosures
LSA020

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

APPLICATION FOR AUTHORIZATION TO INJECT

I. Purpose: Secondary Recovery Pressure Maintenance Disposal Storage
Application qualifies for administrative approval? yes no

II. Operator: Greenhill Petroleum Corporation

Address: 16010 Barker's Point Lane, Suite 325, Houston, TX 77079

Contact party: Mike Newport Phone: 713/955-1146

III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? yes no
If yes, give the Division order number authorizing the project R-2278

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

* VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

* X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)

* XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

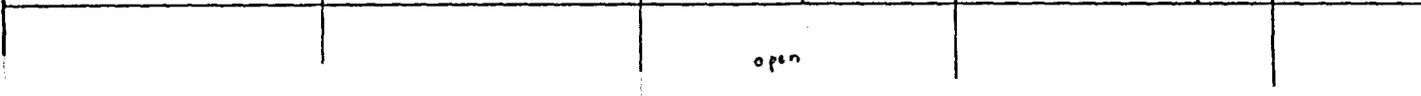
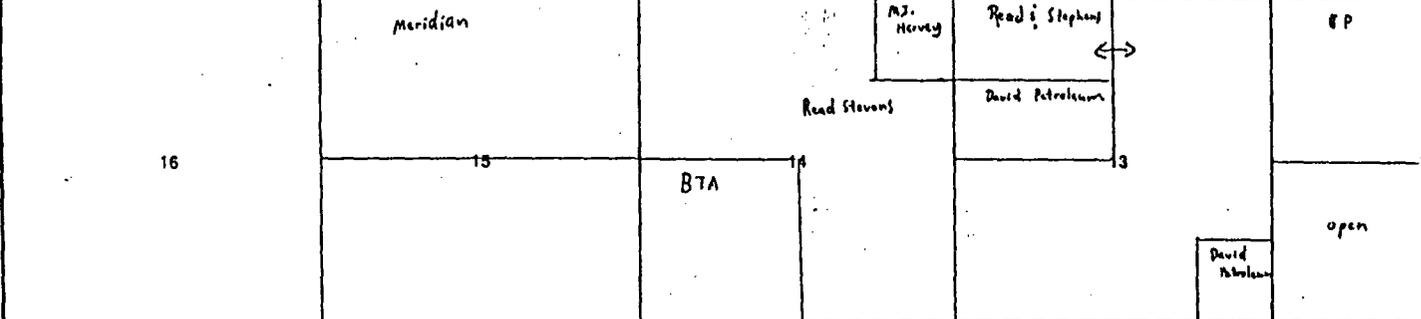
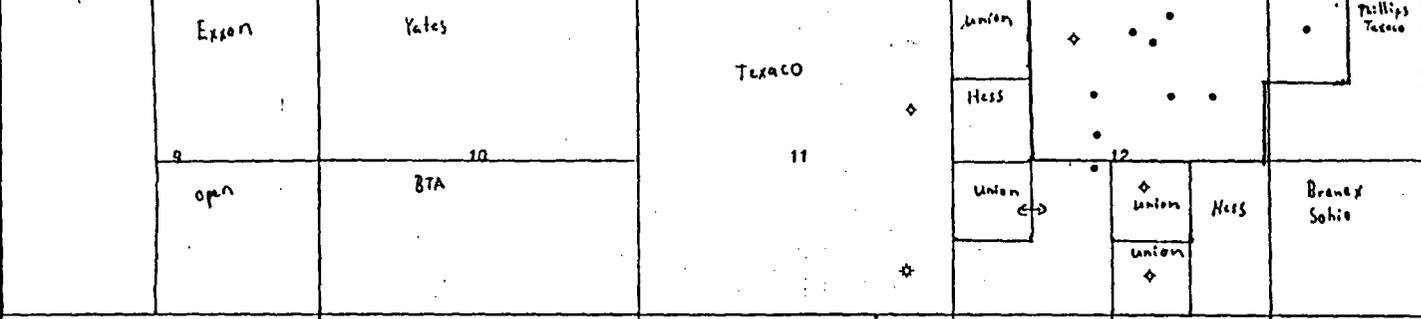
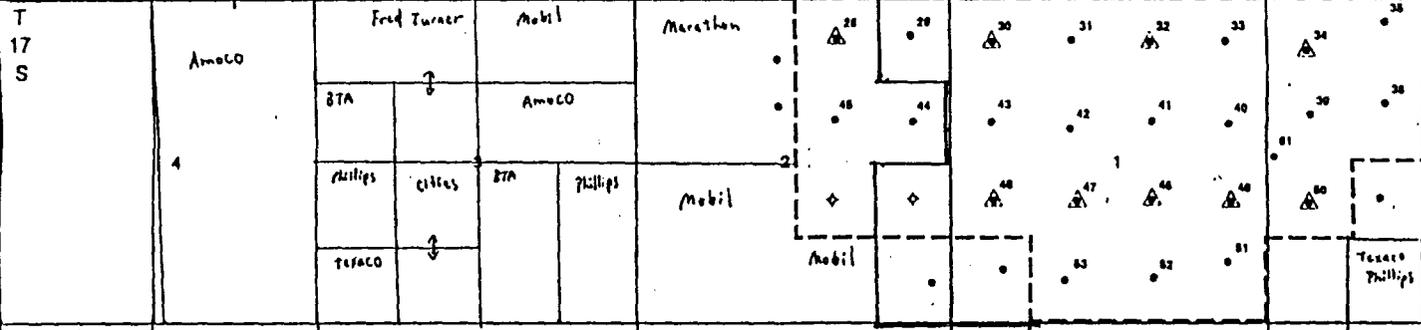
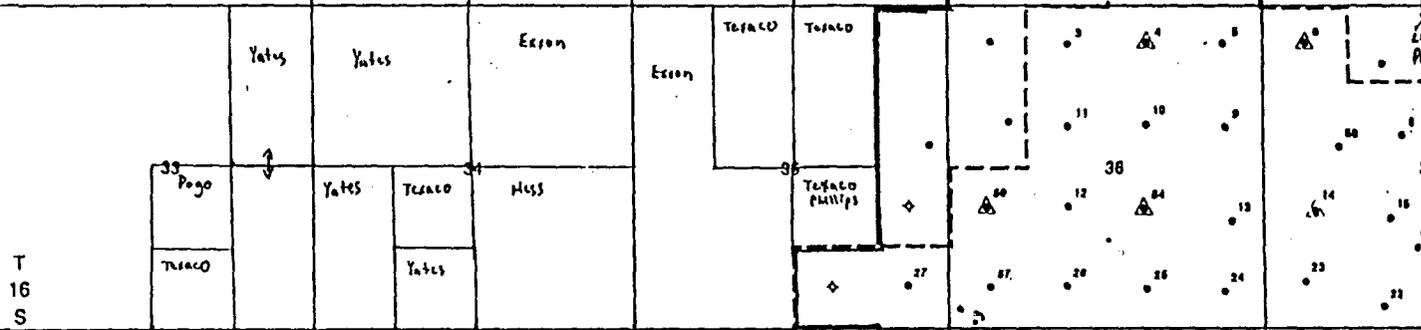
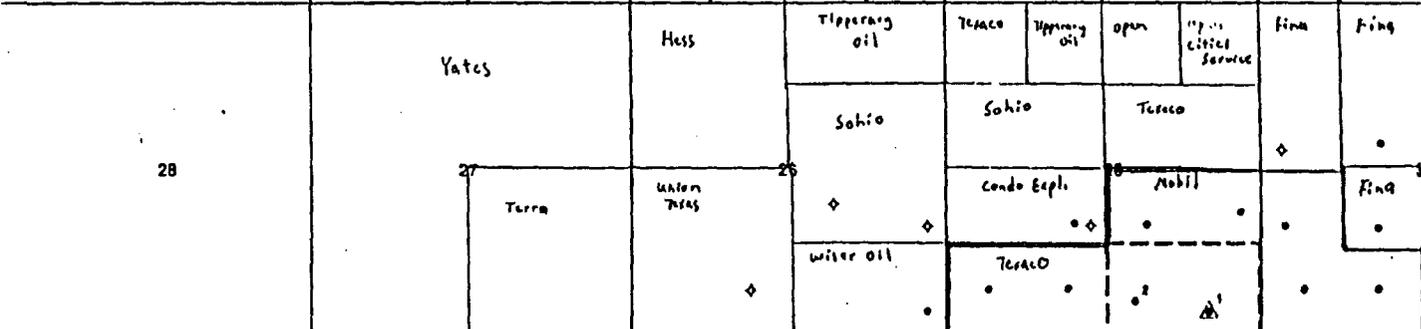
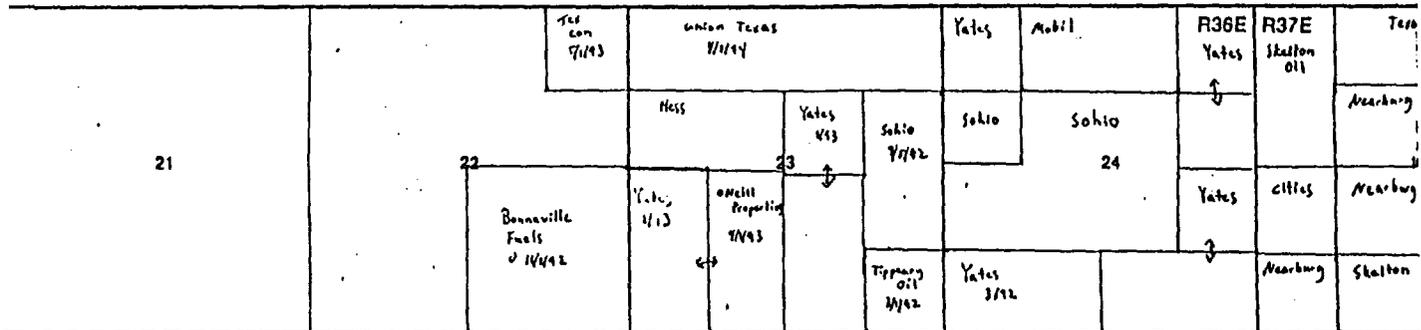
XIV. Certification

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Michael J. Newport Title Landman/Regulatory

Signature: Michael J. Newport Date: 8/29/90

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal.



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16
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VI. Listed below is a tabulation of all wells which are in a one-half mile area of review. Greenhill Petroleum Corporation:

Well No.

- 3 - Lovington Paddock Unit Nos. 4, 5, 6, 14, 15, 16, 17, 19, 20, 21, and 29.
Lovington San Andres Unit Nos. 1, 2, 3, 4, 5, 10, and 11.
Lynx #1, Velma Sinclair State 1.
- 5 - Lovington Paddock Unit Nos. 1, 6, 7, 8, 11, 12, 13, 14, 15, 21, 22, and 23.
Lovington San Andres Unit Nos. 1, 2, 3, 4, 5, 6, 58, 9, and 10.
- 7 - Lovington San Andres Unit Nos. 7, 8, 15, 16, 17, and 58.
Lovington Paddock Unit Nos. 10, 11, 24, 25, 26, 27, and 34.
Arco State 18 2-3, Penroc State 182-4, Texaco 23 State "O",
Texaco 2-L State "P", Rice Abo SWD 31-F, Texaco State "O",
Texaco 0-25, Texaco 0-26, Texaco 0-12 and Texaco 0-14.
- 10 - Lovington San Andres Unit Nos. 1, 2, 3, 4, 5, 9, 10, 11, 12, 54, and 13.
Lovington Paddock Unit Nos. 6, 13, 14, 15, 19, 20, 21, 22, 29, 83, 32, 33, and 40.
Getty State "M" 3, Getty State "M" 2.
- 12 - Lovington San Andres Nos. 3, 10, 11, 54, 12, 59, 25, 26, and 57.
Lovington Paddock Unit Nos. 14, 15, 19, 20, 21, 32, 83, 29, 31, 42, 41, and 40.
Cities State AE 2L, Penroc AE&M, Penroc AE28-6, Texaco State 5-N
- 13 - Lovington Paddock Unit Nos. 21, 22, 23, 28, 29, 32, 33, 83, 38, 39, 40, and 49.
Lovington San Andres Unit Nos. 9, 10, 58, 54, 13, 14, 15, 23, 24, 25, and 33.
Texaco Q State-3, Texaco Q State-4, Getty 2-M, Getty 3-M,
Amerada 8-State LA, Texaco 10 State "O", Texaco Q State-0, Arco 182-3, Penroc Caylor 3 and Oryx Caylor 3.
- 15 - Lovington San Andres Unit Nos. 7, 8, 58, 14, 15, 16, 17, 21, 22, 23 and 35.
Lovington Paddock Unit Nos. 11, 23, 24, 25, 26 27, 28, 36, 37, 38, 51, and 52.
Texaco 11 State-0, Texaco 9 State-0, Arco 182-3, Arco 18-2-4,
Rice SWD, Texaco 10 State-0, Getty State 2, Getty State 3,
Texaco Caylor 3, Penroc Caylor 3, and Oryx Caylor #.

Well No

- 17 - Lovington Paddock Unit Nos. 25, 26, 27, 34, 35, 36, and 53.
Lovington San Andres Unit Nos. 7, 8, 15, 16, 17, 18, 19, 20, 21,
and 37.
Texaco State P-11, Texaco B-25, Getty State "O", Texaco 14 State
"O", Texaco 23 State "O", Texaco 11 State "O", Arco 182 4 Rice
SWD.
- 25 - Lovington Paddock Unit Nos. 21, 29, 83, 32, 33, 38, 39, 40, 41,
42, 47, 48, and 49.
Lovington San Andres Unit Nos. 12, 54, 13, 24, 25, 26, 57, 31,
32, 33, and 41.
Cities State AE2, Cities State AE2Y, Cities State AE1, Texaco 5N
State R, Getty 3 State M, Getty 2 State M, Texaco 3 State Q,
Texaco 4 State Q, Amoco T18-15&16, Penroc TR 18-17, Amerada
State LA, 8-9&11 Penroc Caylor 3, and Oryx Caylor 3.
- 31 - Lovington San Andres Unit Nos. 25, 26, 57, 30, 31, 32, 41, 42,
43, and 47.
Lovington Paddock Unit Nos. 31, 83, 32, 40, 41, 42, 45, 46, 47,
48, 49, 59, 60, and 61.
Cities 2 State AE, Cities 2Y State AE, Cities 1 State AE, Texaco
5-N, Texaco State 4-0, Amoco 18 State E Tr. 18, Amerada State L
"A" 9,11,12, Amoco State E Tr. 18,15,16, Penroc State E Tr 17-5,
Penroc State E Tr. 18-17,19,123, Penrock State E Tract 18-20.
- 35 - Lovington Paddock Unit Nos. 27, 36, 37, 38, 50, 51, 52, 53, 55,
56 and 57.
Lovington San Andres Unit Nos. 14, 15, 21, 22, 23, 34, 35, 36,
37, 38, and 39.
Texaco-Skelly State Q-3, Arco 2 State 182, Arco 3 State 182,
Texaco State "O" 11,12, Texaco State "O" 9-M, Texaco Caylor 4-G,
Penroc Caylor 3&4, Sun Caylor 6E, Oryx Caylor 3.
- 37 - Lovington Paddock Unit Nos. 34, 35, 36, 37, 51, 52, 53, 54, and
55.
E.F. Moran Shipp State A-1, Texaco H.L. Batton "A".
Lovington San Andres Unit Nos. 17, 19, 20, 21, 22, 35, 36, and
37.
Texaco State 0-23, Texaco State 0-11,12, Texaco State "O" 14-1,
Penrock Caylor 3, Oryx Caylor 3, Texaco Caylor 3,4.
- 39 - Lovington Paddock Unit Nos. 38, 49, 50, 51, 55, 56, 57, 58, 59,
66, 67, and 68.
Lovington San Andres Unit Nos. 22, 33, 34, 35, 36, 38, 39, 40,
49 and 50.

Well No.

- Penroc Caylor 3&4, Sun Caylor 6-E, Samedan Caylor 1-J, Texaco Caylor 4, Texaco 3 State "O", Amerada L "A" 8-A, Amerada L "A" 10, and Texaco Caylor 3.
- 40 - Lovington Paddock Unit Nos. 48, 49, 50, 56, 57, 58, 59, 60, 65, 66, and 67.
Lovington San Andres Unit Nos. 24, 32, 33, 34, 39, 40, 41, 42, 48, 49, 50, and 51.
Texaco Q State 3,4, Penroc Caylor 4, Sun Caylor 6, Amerada State L "A" 8,9,10,11,12, Penroc State E Tr. 17.
Penroc Caylor 3 and Oryx Caylor 3.
- 43 - Lovington San Andres Unit Nos. 29, 30, 31, 42, 43, 44, 46, 47, and Magnolia State R.
Lovington Paddock Unit Nos. 42, 45, 46, 47, 60, 61, 59, 62, 63, 64, 65, and 73.
Penroc 1 State AE, Amoco State E Tr 18-15,16, Amerada State L "A" 12, Penroc State E Tr 18-17,19,23, Amoco State E Tr 18-18, Penroc State E Tr 18-20,22.
- 45 - Lovington Paddock Unit Nos. 30, 42, 43, 44, 45, 46, 61, and 62.
Lovington San Andres Unit Nos. 28, 29, 43, 44, and 45.
Magnolia State R, Magnolia State R 40D, Fred Turner State C-1, and Ohio Oil State B.
Amoco State "E" Tr. 18-18-A, Penroc State "E" Tr 18-20,21,22.
- 57 - Lovington Paddock Unit Nos. 18, 19, 29, 30, 31, 83, 40, 41, 42, 43, 45, 46, and 47.
Lovington San Andres Unit Nos. 12, 59, 25, 26, 27, 57, 29, 30, 31, and 43.
Skelly S State #2. Amoco State "E" Tr. 18-15,16, Penroc State E Tract 18-19,23, Amoco State E Tr. 18-18, Penrock State E Tr. 18-20, Texaco Skelly "S" State 2-P, Penroc "AE" 2-Y, Cities State AE 2-L, Penroc 1 State AE, Texaco State 5N.
- 58 - Lovington San Andres Unit Nos. 5, 6, 7, 8, 9, 13, 14, 15, 16, and 23.
Lovington Paddock Unit Nos. 11, 12, 13, 22, 23, 24, 27, 28, 33, and 38.
Getty 2 State M, Texaco State "O" 9-M, Arco 182-3, Penroc 182-4, Texaco State "O"-12, Rice SWD.

VII

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

"A"

WATER ANALYSIS REPORT

| | | | |
|------------|------------------------|--------------|-----------|
| Company | : GREENHILL PETROLEUM | Date | : 8-22-90 |
| Address | : LOVINGTON, NM | Date Sampled | : 8-22-90 |
| Lease | : SENE SEC 2 T17S R36E | Analysis No. | : 1 |
| Well | : S. A. #44 | | |
| Sample Pt. | : WINDMILL | | |

| ANALYSIS | | mg/L | | * meq/L |
|---------------------------------------|------|--------|------|---------|
| ----- | | ---- | | ----- |
| 1. pH | | 7.5 | | |
| 2. H2S | | 0 | | |
| 3. Specific Gravity | | 1.001 | | |
| 4. Total Dissolved Solids | | 2222.8 | | |
| 5. Suspended Solids | | NR | | |
| 6. Dissolved Oxygen | | NR | | |
| 7. Dissolved CO2 | | NR | | |
| 8. Oil In Water | | NR | | |
| 9. Phenolphthalein Alkalinity (CaCO3) | | | | |
| 10. Methyl Orange Alkalinity (CaCO3) | | | | |
| 11. Bicarbonate | HCO3 | 244.0 | HCO3 | 4.0 |
| 12. Chloride | Cl | 917.6 | Cl | 25.9 |
| 13. Sulfate | SO4 | 325.0 | SO4 | 6.8 |
| 14. Calcium | Ca | 720.0 | Ca | 35.9 |
| 15. Magnesium | Mg | 0.5 | Mg | 0.0 |
| 16. Sodium (calculated) | Na | 15.7 | Na | 0.7 |
| 17. Iron | Fe | 0.0 | | |
| 18. Barium | Ba | 0.0 | | |
| 19. Strontium | Sr | 0.0 | | |
| 20. Total Hardness (CaCO3) | | 1800.0 | | |

PROBABLE MINERAL COMPOSITION

| *milli equivalents per Liter | | Compound | Equiv wt X meq/L | = mg/L |
|------------------------------|------------------|-------------|------------------|-----------|
| ----- | | | | |
| 36 | *Ca <----- *HCO3 | Ca (HCO3) 2 | 81.0 | 4.0 324 |
| | /-----> | CaSO4 | 68.1 | 6.8 461 |
| 0 | *Mg -----> *SO4 | CaCl2 | 55.5 | 25.2 1396 |
| | <-----/ | Mg (HCO3) 2 | 73.2 | |
| 1 | *Na -----> *Cl | MgSO4 | 60.2 | |
| | | MgCl2 | 47.6 | 0.0 2 |
| | | NaHCO3 | 84.0 | |
| | | Na2SO4 | 71.0 | |
| | | NaCl | 58.4 | 0.7 40 |

| | |
|------------------------------------|-----------|
| Saturation Values Dist. Water 20 C | |
| CaCO3 | 13 mg/L |
| CaSO4 * 2H2O | 2090 mg/L |
| BaSO4 | 2.4 mg/L |

REMARKS:

Petrolite Oilfield Chemicals Group

Respectfully submitted,
D. SWEATT

"A"

WATER ANALYSIS REPORT

Company : GREENHILL PETROLEUM
 Address : LOVINGTON, NM
 Lease : SENE SEC# TI6S R36E
 Well : PAD 18 35
 Sample Pt. : WINDMILL

Date : 8-22-90
 Date Sampled : 8-22-90
 Analysis No. : 2

| ANALYSIS | | mg/L | | * meq/L |
|---------------------------------------|------|--------|------|---------|
| 1. pH | | 7.6 | | |
| 2. H2S | | 0 | | |
| 3. Specific Gravity | | 1.001 | | |
| 4. Total Dissolved Solids | | 2086.2 | | |
| 5. Suspended Solids | | NR | | |
| 6. Dissolved Oxygen | | NR | | |
| 7. Dissolved CO2 | | NR | | |
| 8. Oil In Water | | NR | | |
| 9. Phenolphthalein Alkalinity (CaCO3) | | | | |
| 10. Methyl Orange Alkalinity (CaCO3) | | | | |
| 11. Bicarbonate | HCO3 | 244.0 | HCO3 | 4.0 |
| 12. Chloride | Cl | 1035.2 | Cl | 29.2 |
| 13. Sulfate | SO4 | 200.0 | SO4 | 4.2 |
| 14. Calcium | Ca | 350.0 | Ca | 17.5 |
| 15. Magnesium | Mg | 224.9 | Mg | 18.5 |
| 16. Sodium (calculated) | Na | 32.1 | Na | 1.4 |
| 17. Iron | Fe | 0.0 | | |
| 18. Barium | Ba | 0.0 | | |
| 19. Strontium | Sr | 0.0 | | |
| 20. Total Hardness (CaCO3) | | 1800.0 | | |

PROBABLE MINERAL COMPOSITION

| *milli equivalents per Liter | Compound | Equiv wt X meq/L | = mg/L |
|------------------------------|-----------|------------------|--------|
| 17 *Ca <----- *HCO3 | Ca(HCO3)2 | 81.0 | 324 |
| /-----> | CaSO4 | 68.1 | 283 |
| 19 *Mg -----> *SO4 | CaCl2 | 55.5 | 516 |
| <-----/ | Mg(HCO3)2 | 73.2 | |
| 1 *Na -----> *Cl | MgSO4 | 60.2 | |
| | MgCl2 | 47.6 | 881 |
| | NaHCO3 | 84.0 | |
| | Na2SO4 | 71.0 | |
| | NaCl | 58.4 | 82 |

Saturation Values Dist. Water 20 C

| | |
|--------------|-----------|
| CaCO3 | 13 mg/L |
| CaSO4 * 2H2O | 2090 mg/L |
| BaSO4 | 2.4 mg/L |

REMARKS:

Petrolite Oilfield Chemicals Group

Respectfully submitted,
 D. SWEATT

VIII GEOLOGIC DATA

The zone of interest for this application to inject is the San Andres Formation. In the area of the Lovington San Andres Field, the San Andres formation is approximately 1350' of dolomite; however, only the upper 400' - 500' is productive. The top of the San Andres formation occurs between 4580' and 4670' (log depth) in the Lovington San Andres Field. Attached is a type log from the Lovington San Andres Field. The well log (LSAU #14) is an injection well and shows three main zones within the field unit where water has been injected.

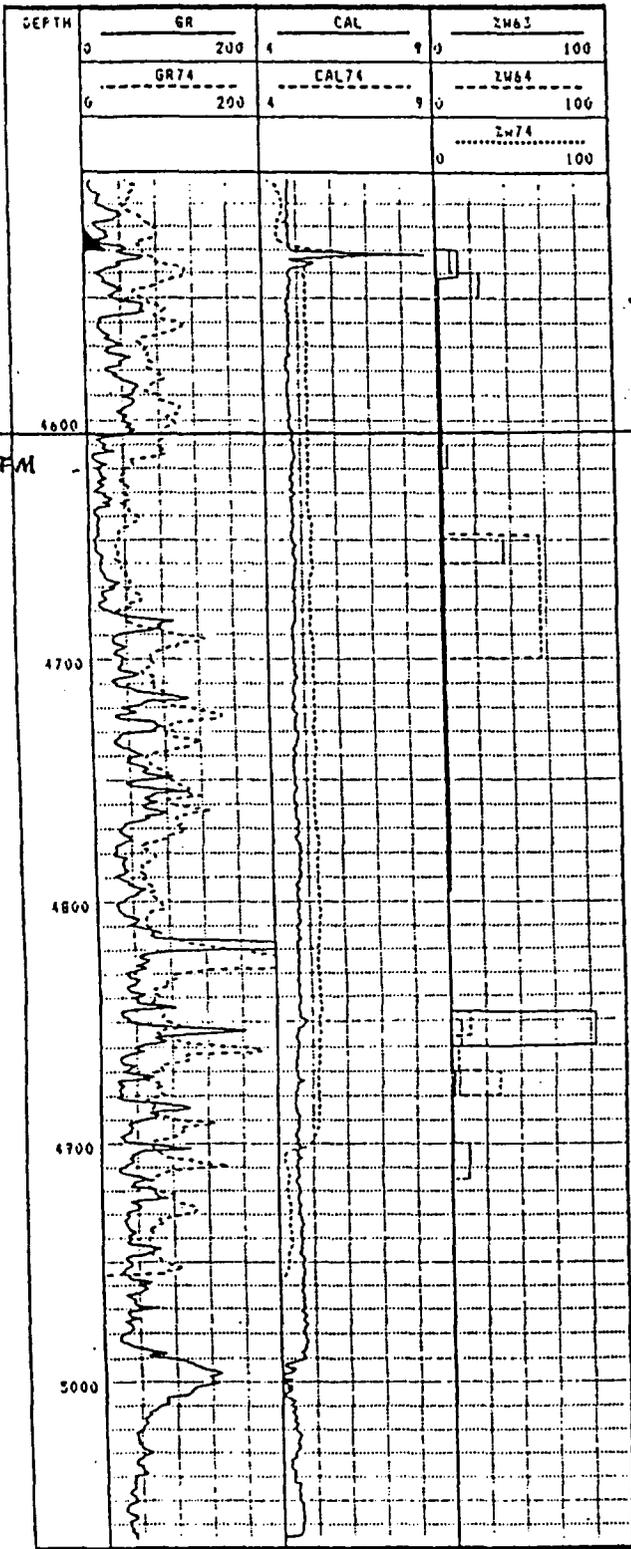
The only known underground source of drinking water in the Lovington San Andres Field area is the Ogalalla Formation. The approximate base of the formation is 200'. No source is known to be immediately underlying the proposed injection interval.

CYPRESS PETROLEUM CONSULTANTS

WELL NAME - SPELTY OIL LSA #14
 LOCATION - 1860 EOL 990 CAL 1-175-36E LSA
 WELL DATA - GL ELEV. OF 2877 TO 2887 4530
 LOG PARAMETERS - WRIGHT SURVEYS SPECTO TRACER 5-25-63

DATA FILE NAME: LSA14.L61

DATE OF PLOT: 5/26/1989



INJECTION PROFILES

INJECTION PROFILES

INJECTION PROFILES

TOP SAW ANDRES FM

IX

PROPOSED STIMULATION PROGRAM
FOR CONVERSIONS FROM PROCEDURES TO INJECTION WELLS
LOVINGTON SAN ANDRES UNIT
LEA COUNTY, NEW MEXICO

1. MIRU PU w/reverse unit. Check and report pressure on casing strings. Inspect wellhead connections for condition and pressure rating. Insure all casing valves are at least 2000 psig W. P. Pull and lay down rods and pump.
2. Rig up and pressure test BOP to 3000 psig for 5 min. Pull tubing and TAC. Lay down TAC.
3. PU bit, casing scraper and collars and TIH to 200' above casing shoe. Scrape casing to 10 ft. above shoe. Do not go below casing shoe with scraper. POOH and lay down scraper. TIH to 10 ft. above casing shoe and circulate hole clean with clean water. Rotate and clean out bottom of open-hole interval below casing shoe.
4. Spot enough 20% NEFE HCl acid to cover the open-hole interval. Slowly pull bit above top of acid and POOH.
5. Rig up perforating contractor. String shoot water flood intervals w/400 grains per foot primacord. TIH with bit and tubing and circulate open hole interval clean to TD w/water. POOH laying down workstring.
6. PU new 2 3/8" IPC tubing string w/new water flood packer and TIH to 20' above casing shoe. Circulate inhibited fresh water into tubing-casing annulus and set packer. Pressure test annulus to 500 psig for 5 min. Release pressure. RD BOP and install waterflood and wellhead.
7. Pressure test annulus per NMOC requirements. Release rig.
8. Rig up acid contractor and treat below packer with 15 tons CO₂ and 3000 gal. 20% NEFE HCl acid using diverter in 3 stages. Flow well back to recover load and clean-up formation. SI well.
9. Install wellhead filter cartridge housing and filter. Hook up new water injection line.
10. Put well on injection. When rate and pressure stabilize, run water injection survey.

81

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

Martin Water Laboratories, Inc.

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

RESULT OF WATER ANALYSES.

LABORATORY NO. 98943
TO: Mr. Dan Westover SAMPLE RECEIVED 9-1-89
12777 Jones Road, Suite 375, Houston, TX RESULTS REPORTED 9-8-89

COMPANY Greenhill Petroleum Corporation LEASE Lovington Paddock/San Andres Unit
FIELD OR POOL Lovington
SECTION BLOCK SURVEY COUNTY Lea STATE NM

SOURCE OF SAMPLE AND DATE TAKEN:
NO. 1 Raw water - taken from water supply well #1. 9-1-89 U6B S1 T17S R36E
NO. 2 Raw water - taken from water supply well #2. 9-1-89 U6C S1 T17S R36E
NO. 3
NO. 4

REMARKS:

| CHEMICAL AND PHYSICAL PROPERTIES | | | | |
|--|--------|--------|-------|-------|
| | NO. 1 | NO. 2 | NO. 3 | NO. 4 |
| Specific Gravity at 60° F. | 1.0025 | 1.0018 | | |
| pH When Sampled | 7.2 | 7.4 | | |
| pH When Received | 7.03 | 7.34 | | |
| Bicarbonate as HCO ₃ | 229 | 249 | | |
| Supersaturation as CaCO ₃ | 8 | 4 | | |
| Undersaturation as CaCO ₃ | --- | --- | | |
| Total Hardness as CaCO ₃ | 370 | 164 | | |
| Calcium as Ca | 120 | 51 | | |
| Magnesium as Mg | 17 | 9 | | |
| Sodium and/or Potassium | 171 | 130 | | |
| Sulfate as SO ₄ | 99 | 89 | | |
| Chloride as Cl | 320 | 107 | | |
| Iron as Fe | 0.48 | 0.64 | | |
| Barium as Ba | 0 | 0 | | |
| Turbidity, Electric | 3 | 5 | | |
| Color as Pt | 7 | 3 | | |
| Total Solids, Calculated | 956 | 634 | | |
| Temperature °F. | 65 | 66 | | |
| Carbon Dioxide, Calculated | 25 | 16 | | |
| Dissolved Oxygen, Winkler - Chemets | 4.7 | 3.0 | | |
| Hydrogen Sulfide | 0.0 | 0.0 | | |
| Resistivity, ohms/m at 77° F. | 6.75 | 12.25 | | |
| Suspended Oil | | | | |
| Filtrable Solids as mg/l | 2.1 | 3.2 | | |
| Volume Filtered, ml | 10,000 | 1,000 | | |

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks - The primary significance in the above results at water well #1 is that we again identified only a very minor amount of sand in the filtrable solids. This generally confirms the results of the sample taken 7-27-89 and reported on laboratory #789270 that the previously high level of sand was temporary. We also identified no significant sand in the suspended material at water well #2. In general, we find the current chemical and physical properties of these waters to be satisfactory, thereby indicating no need for any action.

Form No. 3

cc: Mr. Bryant Bradley, Ozark Training & Consulting, Austin
Mr. Cy Jones, Hobbs

By Waylan C. Martin, M.A.

CO₃ PRECIPITATION

Calcium Carbonate Scale Prediction Lovington San Andres Unit Paragon Engineering Services

Water "A": 50% Lovington WSW #1 + 50% WSW #2, Analysis No. 1188285
 Water "B": Calculated produced water analysis assuming injection water
 is 56% produced & 44% source. Analysis No. 1188290
 Analysis: Martin Water Laboratories, Inc.
 Date Reported: 12/07/88.

Hypothetical Composition of Mixed Waters mg/l

| % Water "A" | 100 | 80 | 44 | 40 | 20 | 0 |
|--------------------------------------|---------------|----------------|-----------------|-----------------|-----------------|-----------------|
| % Water "B" | 0 | 20 | 56 | 60 | 80 | 100 |
| Components: | | | | | | |
| CATIONS | | | | | | |
| Calcium, Ca | 138.50 | 646.18 | 1560.00 | 1661.54 | 2169.21 | 2676.89 |
| Magnesium, Mg | 15.50 | 122.82 | 316.00 | 337.46 | 444.79 | 552.11 |
| Iron, Fe | 1.09 | 1.74 | 2.90 | 3.03 | 3.68 | 4.32 |
| Barium, Ba | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Sodium, Na | 150.00 | 1931.43 | 5138.00 | 5494.29 | 7275.71 | 9057.14 |
| ANIONS | | | | | | |
| Chloride, Cl | 323.00 | 3555.86 | 9375.00 | 10021.57 | 13254.43 | 16487.29 |
| Sulfate, SO ₄ | 99.50 | 655.04 | 1655.00 | 1766.11 | 2321.64 | 2877.18 |
| Carbonate, CO ₃ | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Bicarbonate, HCO ₃ | 223.00 | 766.57 | 1745.00 | 1853.71 | 2397.29 | 2940.86 |
| Tot. Dsol'd Solids | 950.59 | 7679.63 | 19791.90 | 21137.71 | 27866.75 | 34595.79 |
| Measured pH Values | 7.00 | | 6.70 | | | |
| 1/H ⁺ = 10 ^{-pH} | 10000000 | | 5011872.34 | | | |
| H ⁺ = 1/10 ^{-pH} | .0000001 | .0000001355 | .0000001995 | .000000207 | .000000242 | .000000278 |
| 1/H ⁺ = 10 ^{-pH} | | 7377619.17 | | 4839445.40 | 4129154.49 | 3600678.77 |
| Calculated pH Values | | 6.87 | | 6.68 | 6.62 | 6.56 |

Calcium Carbonate Solubility Calculation.

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

| | Conv. Factor | | | | | | |
|------------------|-----------------|------------|------------|------------|------------|------------|------------|
| Ca | .00005 | .006925 | .032309 | .078000 | .083077 | .108461 | .133845 |
| Mg | .000082 | .001271 | .010071 | .025912 | .027672 | .036472 | .045273 |
| Ba | .000015 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Na | .000022 | .003300 | .042491 | .113036 | .120874 | .160066 | .199257 |
| Cl | .000014 | .004522 | .049782 | .131250 | .140302 | .185562 | .230822 |
| SO ₄ | .000021 | .002090 | .013756 | .034755 | .037088 | .048754 | .060421 |
| CO ₃ | .000033 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| HCO ₃ | .000008 | .001784 | .006133 | .013960 | .014830 | .019178 | .023527 |
| u = | | .02 | .15 | .40 | .42 | .56 | .69 |

Calcium Carbonate Stability Index (Cont.)

| | | | | | | |
|------------|-----|----|----|----|----|-----|
| Water: "A" | 100 | 80 | 44 | 40 | 20 | 0 |
| Water: "B" | 0 | 20 | 56 | 60 | 80 | 100 |

2. Determine K from Stiff & Davis graph for (u); pCa and pAlk are calculated by this program from the equations below.

$pCa = \log(1/\text{mols } Ca^{++}/\text{Liter})$
 $pAlk = \log(1/\text{Equiv. Total Alk}/\text{Liter})$

Temperature: 80F (26.7C)
 120F (49C)

Look Up K:

| | | | | | | |
|-----------------|------|------|------|------|------|------|
| K for 80F | 2.06 | 2.60 | 3.07 | 3.08 | 3.21 | 3.29 |
| K for 120F | 1.68 | 2.16 | 2.56 | 2.58 | 2.70 | 2.78 |
| Calculated pCa | 2.46 | 1.79 | 1.41 | 1.38 | 1.27 | 1.18 |
| Calculated pAlk | 2.44 | 1.90 | 1.54 | 1.52 | 1.41 | 1.32 |

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

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

(K + pCa + pAlk)

| | | | | | | |
|-----------|------|------|------|------|------|------|
| At 80F = | 6.96 | 6.29 | 6.02 | 5.98 | 5.88 | 5.78 |
| At 120F = | 6.58 | 5.85 | 5.51 | 5.48 | 5.37 | 5.27 |

CaCO3 SI =

| | | | | | | |
|-----------|------------|------------|-------------|-------------|-------------|-------------|
| At 80F = | <u>.04</u> | <u>.57</u> | <u>.68</u> | <u>.70</u> | <u>.73</u> | <u>.77</u> |
| At 120F = | <u>.42</u> | <u>1.0</u> | <u>1.19</u> | <u>1.20</u> | <u>1.24</u> | <u>1.28</u> |

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

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

CaCO₃ I_s Across System

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

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

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

- P = 2000.00 psia
- X = .05 Mole Fraction CO₂
- Ca = .066755 Moles/l
- Alk = .048211
- D = -5.80922 log[(C)(Alk)²/(P)(X)]
- T = 120.00 Temp, F
- u = .69 Molar Ionic Strength

C = Ca(mg/l)/40100 = .066755
 Alk = (HCO₃ + CO₃(mg/l))/61000 = .0482108
 D = log(((C)(Alk)²/((P)(X)))) = -5.80922

| Variable | Value | x Constant | = | Product |
|------------------------|----------|------------|---|------------|
| D | -5.80922 | 1.00 | = | -5.81 |
| T | 120.00 | .01549 | = | 1.86 |
| (T)(T) | 14400.00 | -.000004 | = | -.06 |
| P | 2000.00 | -.000074 | = | -.15 |
| u | .69 | .919 | = | .63 |
| (u) ^{0.5} | .8306624 | -2.52 | = | -2.09 |
| | | | | 5.89 |
| Sum = I _s = | | | | <u>.27</u> |



GREENHILL PETROLEUM CORPORATION

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

Incorporated in Delaware, U.S.A.

August 28, 1990

City of Lovington
P. O. Box 1268
Lovington, NM 88260

Re: Lovington San Andres Unit
Lea County, New Mexico

Enclosed please find the copies of the applications for conversions of producers to injection wells within the Lovington San Andres Unit area. Operators are required to furnish the copies of these applications to the surface owners. Listed below are the wells which we plan to convert on your surface acreage:

Well Numbers: 3, 5, 7, 10, 12, 13, 15, 17, 25, 31, 40, 43, 45, 57
and 58.

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

Very truly yours,

Michael J. Newport
Landman

MJN:ntd
Enclosures
LSA017



GREENHILL PETROLEUM CORPORATION

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

Incorporated in Delaware, U.S.A.

August 28, 1990

Rebecca Caylor Rice
Rt. 3, Box 2254
Birdsboro, PA 19508

Re: Lovington San Andres U
Lea County, New Mexico

Send a copy
to
Rebecca Caylor Rice
1315 E. Bender
Unit 10
Hobbs, NM
88240

Sent
9/5

Enclosed please find the copies of applications of
producers to injection wells in the Lovington San Andres Unit area.
Operators are required to furnish the copies of these applications to
the surface owners. Listed below are the wells which we plan to
convert on your surface acreage:

Well Numbers: 35, 37, and 39.

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

Very truly yours,

Michael J. Newport
Landman

MJN:ntd
Enclosures
LSA017



GREENHILL PETROLEUM CORPORATION

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

Incorporated in Delaware, U.S.A.

August 17, 1990

Hobbs Daily News Sun
P. O. Box 860
Hobbs, New Mexico 88241

Attn: Legal Publication

Re: Lovington San Andres Area
Lea County, New Mexico

Dear Sirs:

Enclosed find the legal notice we want to run twice in your newspaper. Please forward the invoice and affidavit to the address listed above, to the attention of Michael J. Newport.

Very truly yours,

Michael J. Newport
Landman

MJN:ntd
Enclosure
LSA015

GREENHILL PETROLEUM CORPORATION
12777 Jones Road
Suite 375
Houston, TX 77070

Phone: (713) 955-1146 Contact: Mike Newport

Greenhill Petroleum Corporation plans to convert the following producing oil wells to injection wells within the Lovington San Andres Field Area. The purpose of the proposed injection wells is to increase reservoir pressure in order to improve the recovery of hydrocarbons. The location of the proposed injection wells are the following well numbers within Section 36, T16S-R36E, Section 31, T16S-R37E, Section 6, T17S-R37E, and Sections 1 and 2, T17S-R36E, Lea County, New Mexico.

Well Numbers: 3, 5, 7, 10, 12, 13, 15, 17, 25, 31, 35, 37, 39, 40, 43, 45, 57, 58.

The injection interval is the unitized formation in the Lovington San Andres Unit which is the San Andres formation between 4,334 feet and 5,240 feet in the Amerada State "LA" No. 9. The maximum injection rates and pressures are 2000 PSI, 1500 BHPD.

Interested parties must file objections or requests for hearing with the Oil Conservation Division, P.O. Box 2088, Santa Fe, NM 87501, within 15 days.



GREENHILL PETROLEUM CORPORATION

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

Incorporated in Delaware, U.S.A.

August 27, 1990

Texaco U.S.A.
P. O. Box 3109
Midland, TX 79702

Re: Lovington San Andres Unit
Lea County, New Mexico

Enclosed find the complete application package covering the conversion of producing wells to injection wells in the Lovington San Andres Unit area. The following wells have been proposed to be converted.

Well Numbers: 3, 5, 7, 10, 12, 13, 15, 17, 25, 31, 35, 37, 39,
40, 43, 45, 57, and 58.

Should you have any questions, please advise.

Very truly yours,

Michael J. Newport
Landman

MJN:ntd
Enclosures
LSA019



GREENHILL PETROLEUM CORPORATION

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

Incorporated in Delaware, U.S.A.

August 27, 1990

Mobil Exploration & Producing
12450 Greenspoint Dr.
Houston, TX 77060-1991

Attn: R.L. Fajkowski, Land Manager

Re: Lovington San Andres Unit
Lea County, New Mexico

Enclosed find the complete application package covering the conversion of producing wells to injection wells in the Lovington San Andres Unit area. The following wells have been proposed to be converted.

Well Numbers: 3, 5, 7, 10, 12, 13, 15, 17, 25, 31, 35, 37, 39,
40, 43, 45, 57, and 58.

Should you have any questions, please advise.

Very truly yours,

Michael J. Newport
Landman

MJN:ntd
Enclosures
LSA019



GREENHILL PETROLEUM CORPORATION

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

Incorporated in Delaware, U.S.A.

August 27, 1990

Phillips Petroleum
P. O. Box 1967
Houston, TX 77251-1967

Attn: J.K. Bramwell, Land Manager

Re: Lovington San Andres Unit
Lea County, New Mexico

Enclosed find the complete application package covering the conversion of producing wells to injection wells in the Lovington San Andres Unit area. The following wells have been proposed to be converted.

Well Numbers: 3, 5, 7, 10, 12, 13, 15, 17, 25, 31, 35, 37, 39,
40, 43, 45, 57, and 58.

Should you have any questions, please advise.

Very truly yours,

Michael J. Newport
Landman

MJN:ntd
Enclosures
LSA019



GREENHILL PETROLEUM CORPORATION

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

Incorporated in Delaware, U.S.A.

August 27, 1990

Marathon Oil Company
5555 San Felipe Road
Houston, TX 77056

Re: Lovington San Andres Unit
Lea County, New Mexico

Enclosed find the complete application package covering the conversion of producing wells to injection wells in the Lovington San Andres Unit area. The following wells have been proposed to be converted.

Well Numbers: 3, 5, 7, 10, 12, 13, 15, 17, 25, 31, 35, 37, 39,
40, 43, 45, 57, and 58.

Should you have any questions, please advise.

Very truly yours,

Michael J. Newport
Landman

MJN:ntd
Enclosures
LSA019



GREENHILL PETROLEUM CORPORATION

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

Incorporated in Delaware, U.S.A.

August 27, 1990

UNOCAL
500 Executive Plaza East
4615 Southwest Freeway
Houston, TX 77027

Attn: B.W. McKay, Distric Land Manager

Re: Lovington San Andres Unit
Lea County, New Mexico

Enclosed find the complete application package covering the conversion of producing wells to injection wells in the Lovington San Andres Unit area. The following wells have been proposed to be converted.

Well Numbers: 3, 5, 7, 10, 12, 13, 15, 17, 25, 31, 35, 37, 39,
40, 43, 45, 57, and 58.

Should you have any questions, please advise.

Very truly yours,

Michael J. Newport
Landman

MJN:ntd
Enclosures
LSA019



GREENHILL PETROLEUM CORPORATION

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

Incorporated in Delaware, U.S.A.

August 27, 1990

Exxon Co. U.S.A.
233 Benmar, Suite 970
Houston, TX 77060

Attn: Mr. Hank Alford, Land Manager

Re: Lovington San Andres Unit
Lea County, New Mexico

Enclosed find the complete application package covering the conversion of producing wells to injection wells in the Lovington San Andres Unit area. The following wells have been proposed to be converted.

Well Numbers: 3, 5, 7, 10, 12, 13, 15, 17, 25, 31, 35, 37, 39,
40, 43, 45, 57, and 58.

Should you have any questions, please advise.

Very truly yours,

Michael J. Newport
Landman

MJN:ntd
Enclosures
LSA019

INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|--------------------|---------------------------|----------|-------|
| Greenhill Petroleum Corporation | | Lovington San Andres Unit | | |
| OPERATOR | | LEASE | | |
| #3 | 660 FNL & 1980 FEL | 36 | T16S | R36E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Surface Casing

Size: 8 5/8 " Cemented with 450 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 375 SX
 TOC: 2575 feet determined by 80% calc
 Hole Size: 7 7/8
 Total Depth: 4625'

Injection Interval

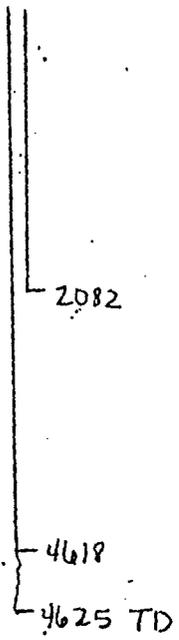
4618 feet to 5090 feet
 (perforated or open-hole, indicate which)

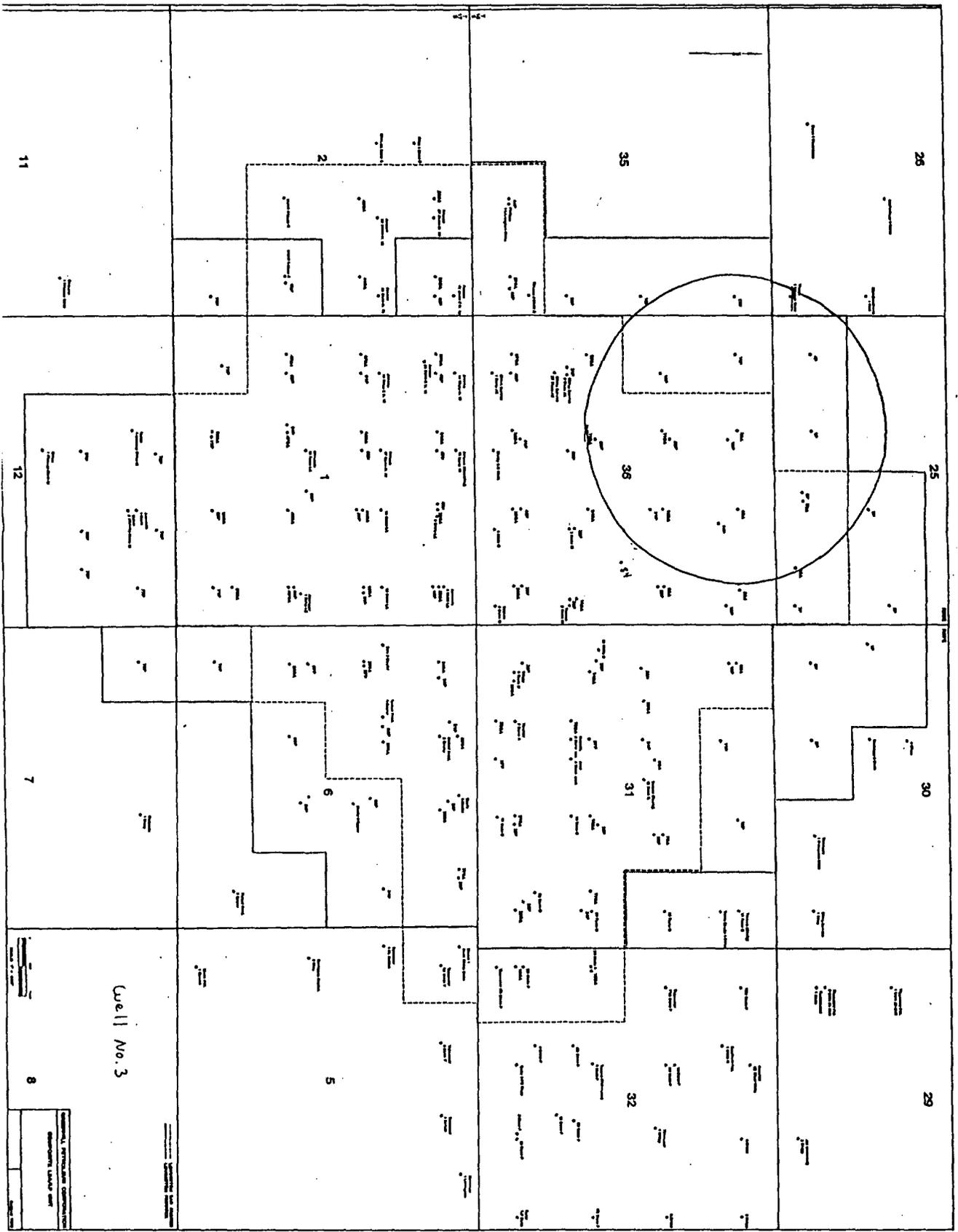
Tubing size 2 3/8" lined with IPC set in a
waterflood tension packer packer at 4598 feet.
 (brand & model)
 (or describe any other casing-tubing seal).

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
 11/19/45
 deepen to 5090

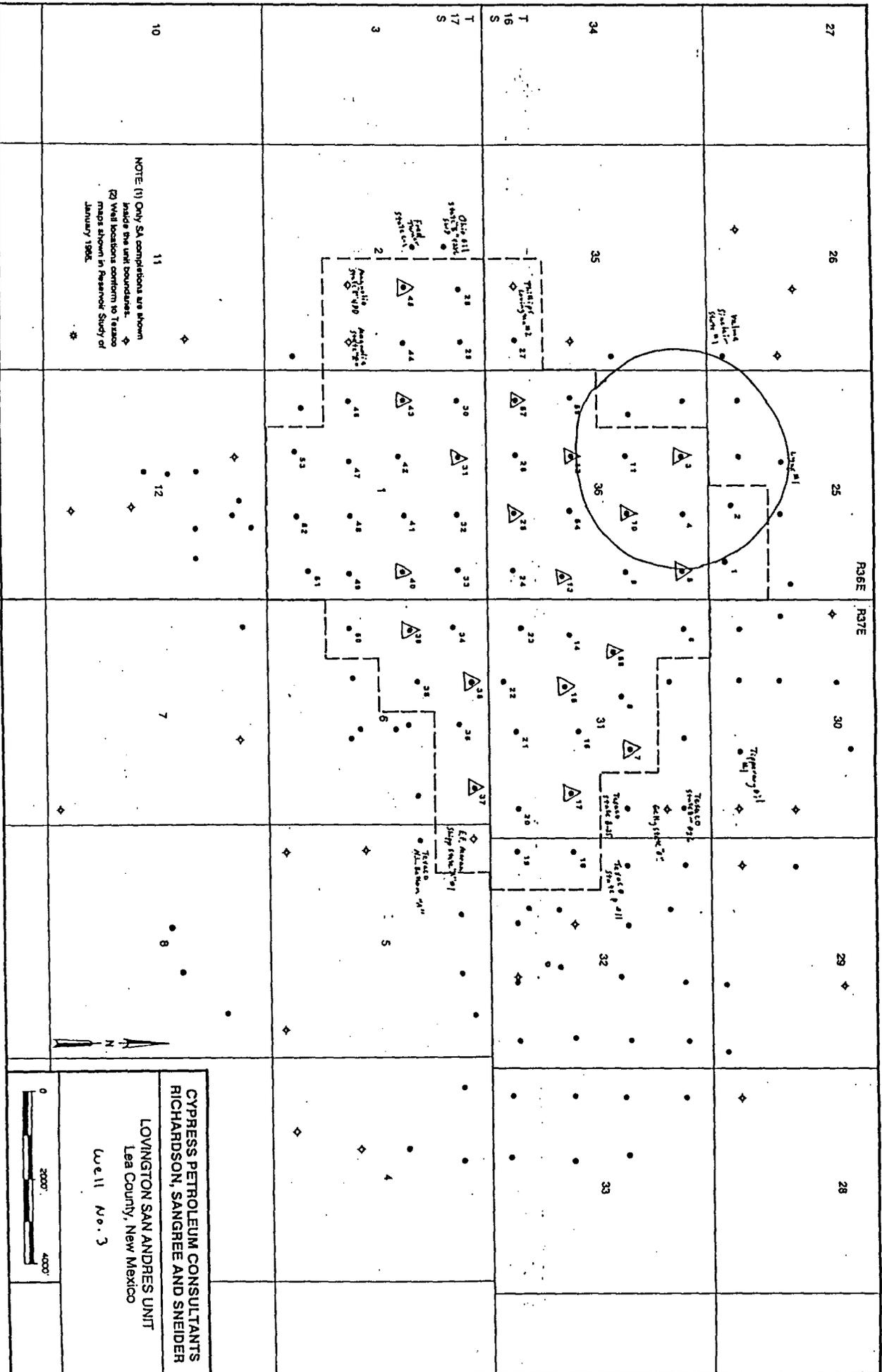




Well No. 3

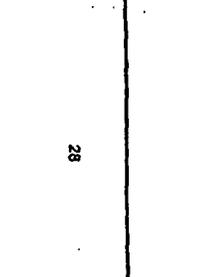
8

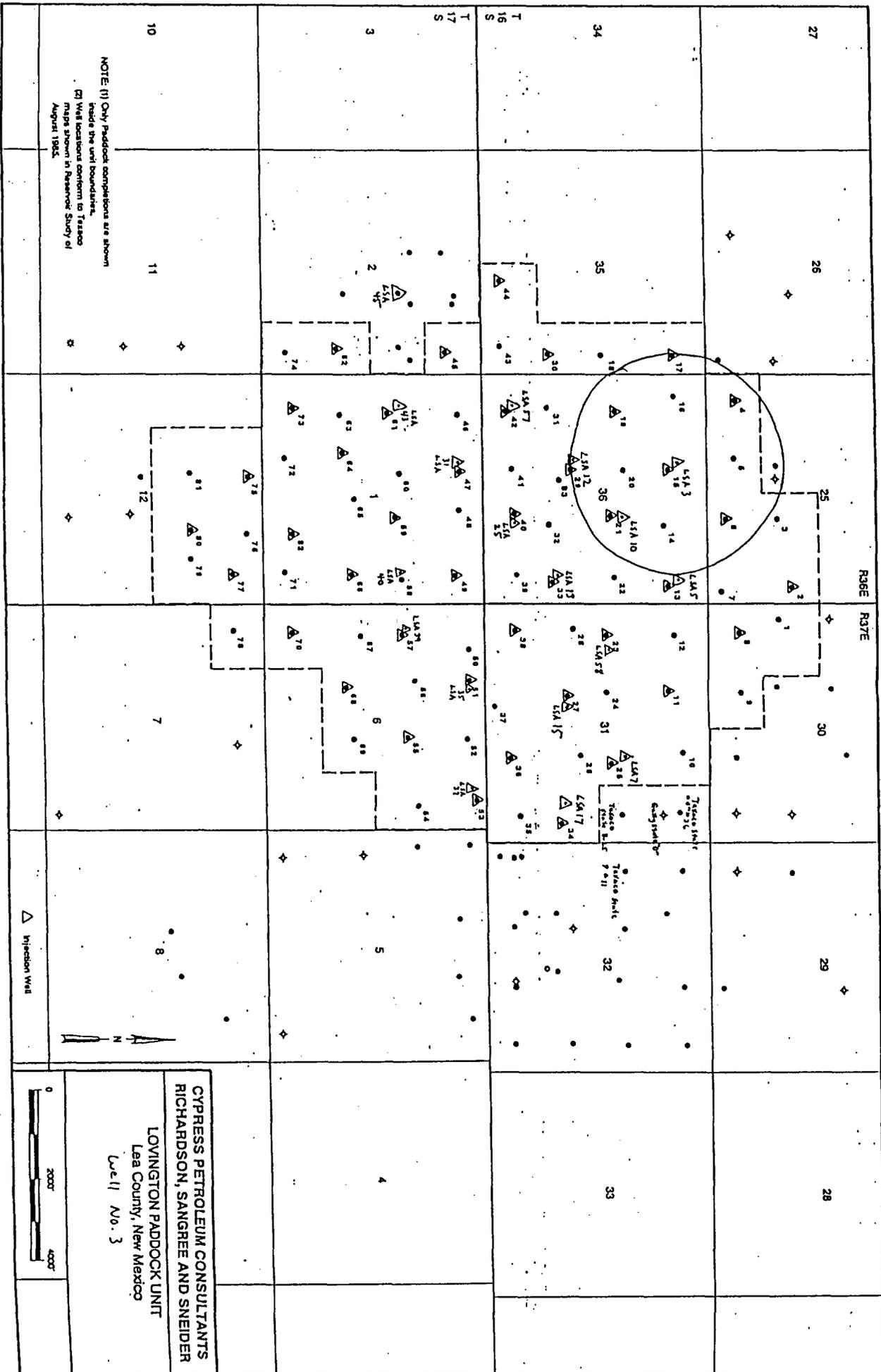
Scale
 1" = 100'
 1/4" = 25'
 1/8" = 12.5'



NOTE (1) Only SA completions are shown inside the unit boundaries.
 (2) Well locations conform to Tensard maps shown in Research Study of January 1986.

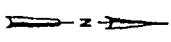
CYPRESS PETROLEUM CONSULTANTS
 RICHARDSON, SANGREE AND SNEIDER
 LOVINGTON SAN ANDRES UNIT
 Lea County, New Mexico
 Well No. 3





NOTE: (1) Only Paddock completions are shown
 (2) Well locations conform to Texas maps shown in Reserve Study of August 1965.

△ Injection Well



CYPRESS PETROLEUM CONSULTANTS
RICHARDSON, SANGREE AND SNEIDER
 LOVINGTON PADDOCK UNIT
 Lea County, New Mexico
 Well No. 3



GREENHILL PETROLEUM CORPORATION

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

Incorporated in Delaware, U.S.A.

October 19, 1990

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

Attn: Mr. David Catanach

Re: Lovington San Andres
Lea County, NM

Enclosed please find the revised C-108 and attachments covering the conversions of the following wells from producers to injection wells.

Well Numbers: 3, 5, 7, 10, 12, 13, 15, 17, 25, 31, 35, 37, 39, 40, 43,
45, 57 and 58.

I am also enclosing a map you can cross reference the wells with. Please call in the event you have any additional questions.

Sincerely,

Michael J. Newport
Landman

MJN:JB
Enclosures

INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|-------------------|---------------------------|----------|-------|
| Greenhill Petroleum Corporation | | Lovington San Andres Unit | | |
| OPERATOR | | LEASE | | |
| #5 | 660 FNL & 600 FEL | 36 | T16S | R36E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Surface Casing

Size: 8 5/8 " Cemented with 400 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 200 SX

TOC: 3535' feet determined by 80% calc

Hole Size: 7 7/8"

Total Depth: 5130'

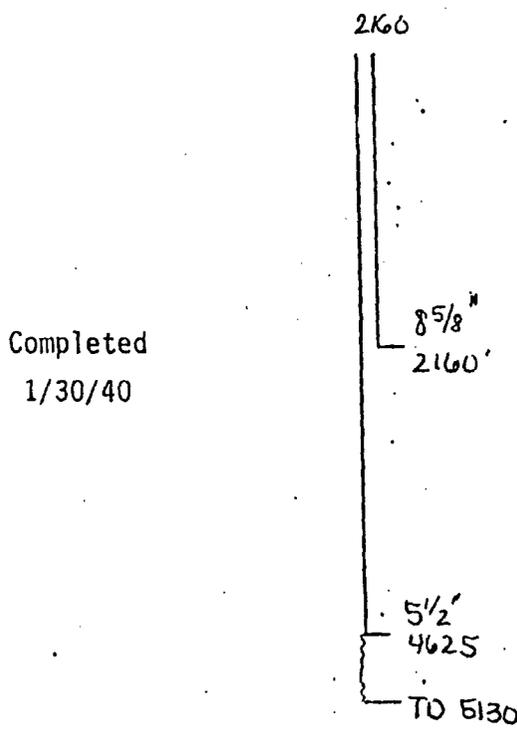
Injection Interval

4625 feet to 5130 feet
(perforated or open-hole, indicate which)

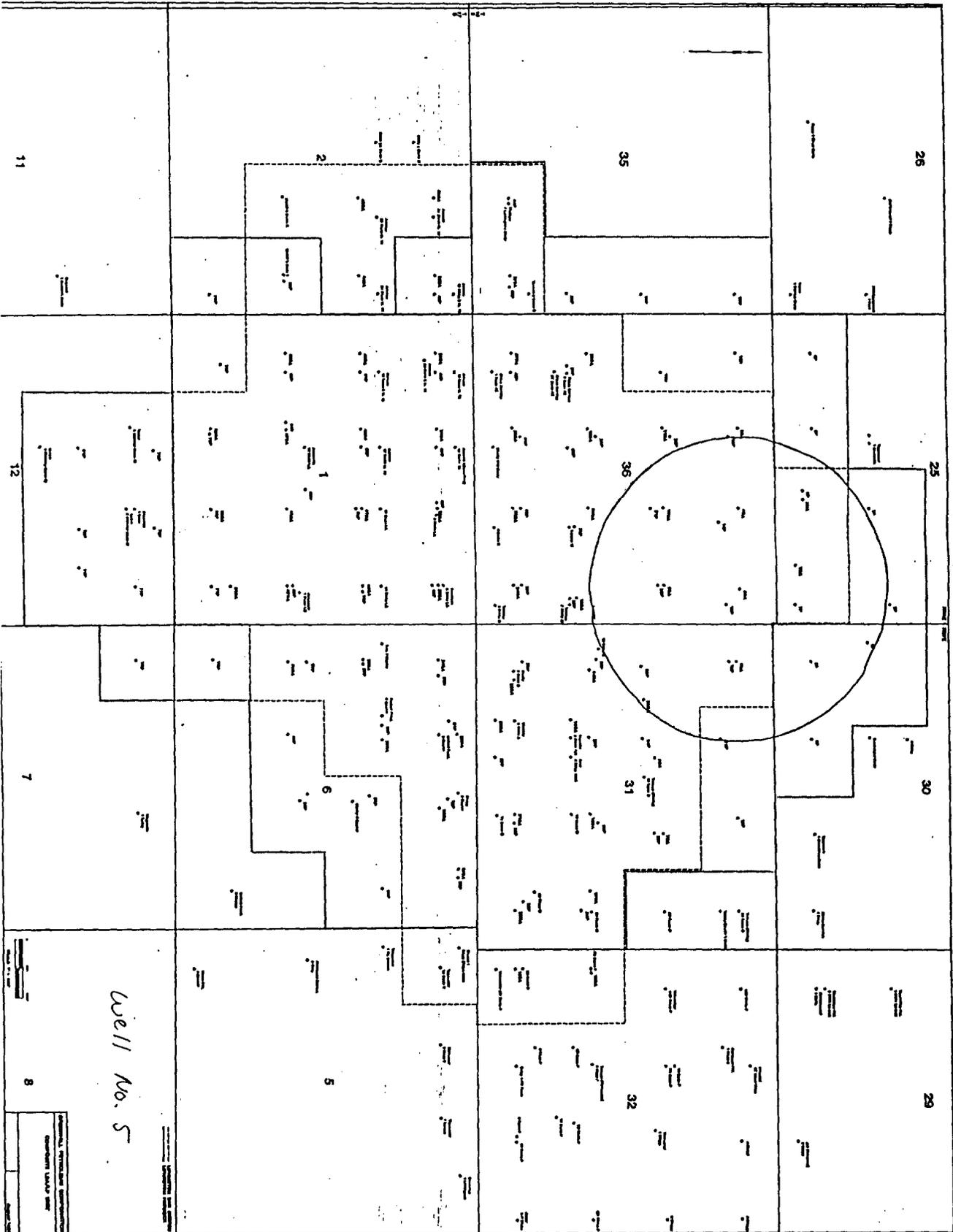
Tubing size 2 3/8 lined with IPC set in a
(material)
waterflood tension packer packer at 4605 feet.
(brand & model)
(or describe any other casing-tubing seal).

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



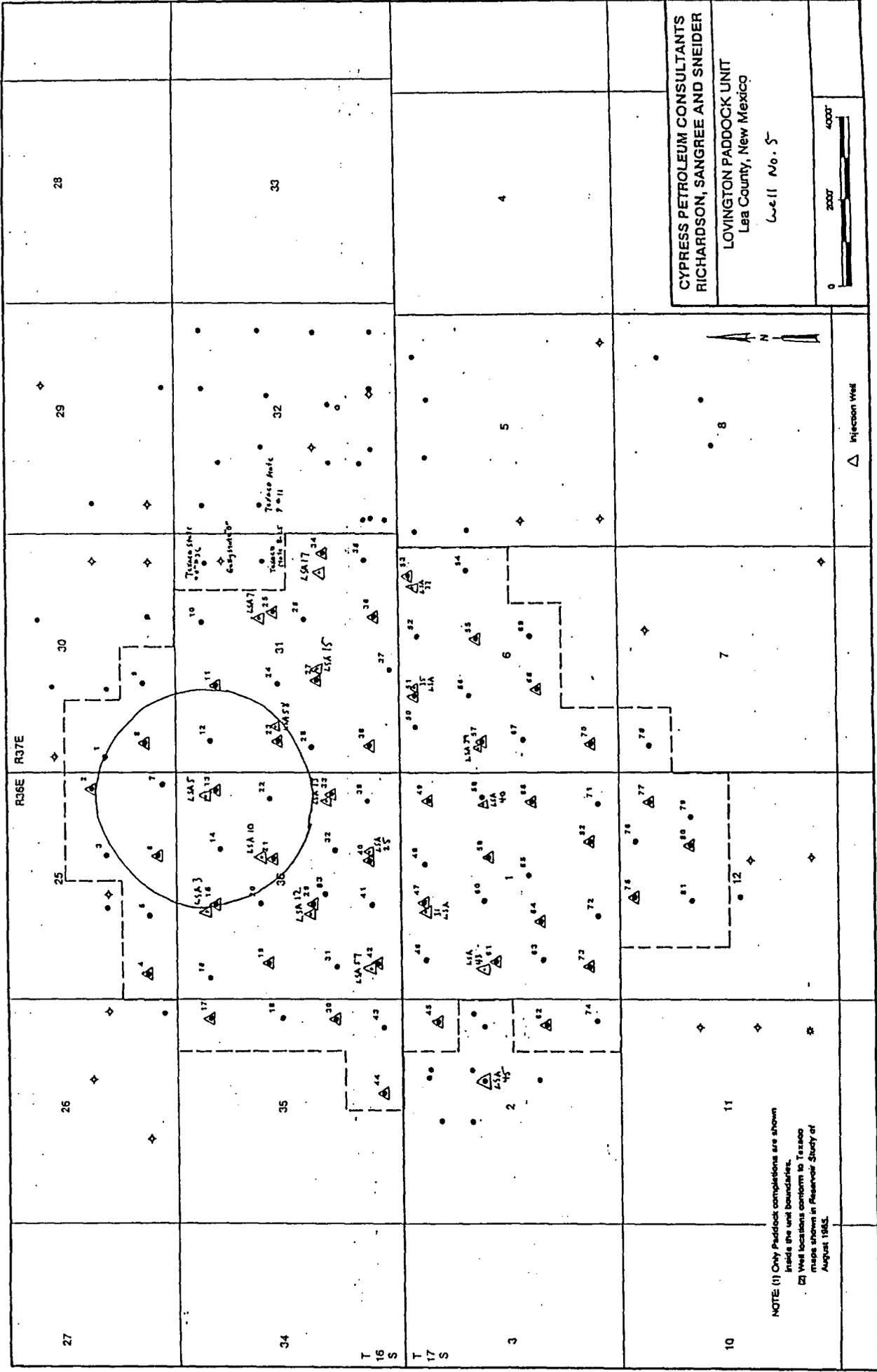
Completed
1/30/40



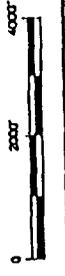
Well No. 5

8

NATIONAL INSTRUMENTS CORPORATION
 1100 EAST 17TH AVENUE
 DENVER, COLORADO 80202

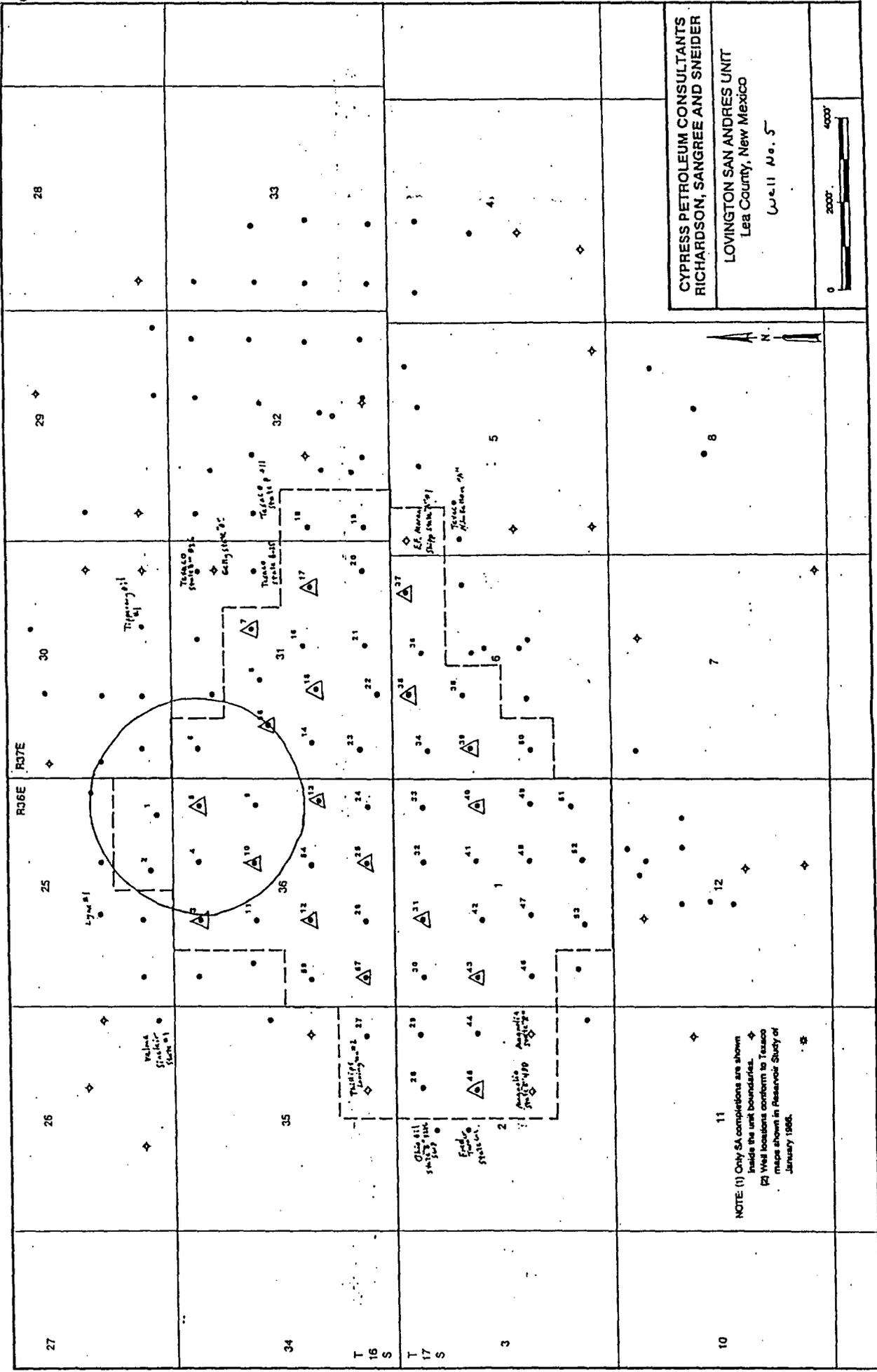


CYPRESS PETROLEUM CONSULTANTS
 RICHARDSON, SANGREE AND SNEIDER
 LOVINGTON PADDOCK UNIT
 Lea County, New Mexico
 Well No. 5



NOTE (1) Only Paddock completions are shown
 inside the unit boundaries.
 (2) Well locations conform to Texas
 maps shown in Reservoir Study of
 August 1983.

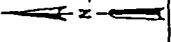
△ Injection Well



CYPRESS PETROLEUM CONSULTANTS
RICHARDSON, SANGREE AND SNEIDER

LOVINGTON SAN ANDRES UNIT
Lea County, New Mexico

Well No. 5



NOTE: (1) Only SA completions are shown inside the unit boundaries. (2) Well locations conform to Teacoc maps shown in Reservoir Study of January 1966.

INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|---------------------|---------------------------|----------|-------|
| Greenhill Petroleum Corporation | | Lovington San Andres Unit | | |
| OPERATOR | | LEASE | | |
| #7 | 1980 FNL & 1980 FEL | 31 | T16S | R37E |
| WELL NO. | FOOTAGE LOCATION | SEG. | TOWNSHIP | RANGE |

Tubular Data

Surface Casing

Size: 8 5/8 " Cemented with 485 SX

TOC: Surface feet determined by calc.

Hole size: 10 1/4

Intermediate Casing

Size: _____ " Cemented with _____ SX

TOC: _____ feet determined by _____

Hole Size: _____

Long String

Size: 5 1/2 " Cemented with 375 SX

TOC: 1711 feet determined by 80% calc.

Hole Size: 7 1/4

Total Depth: 4955'

Injection Interval

4620 feet to 4990 feet
(perforated or open-hole, indicate which)

Tubing size 2 3/8 " lined with IPC set in a
(material)
_____ packer at 4530 feet.

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

Other Data

1. Name of the injection formation San Andres

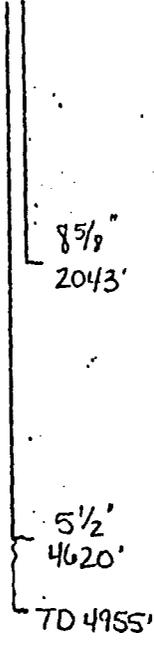
2. Name of Field or Pool (IF applicable) Lovington San Andres

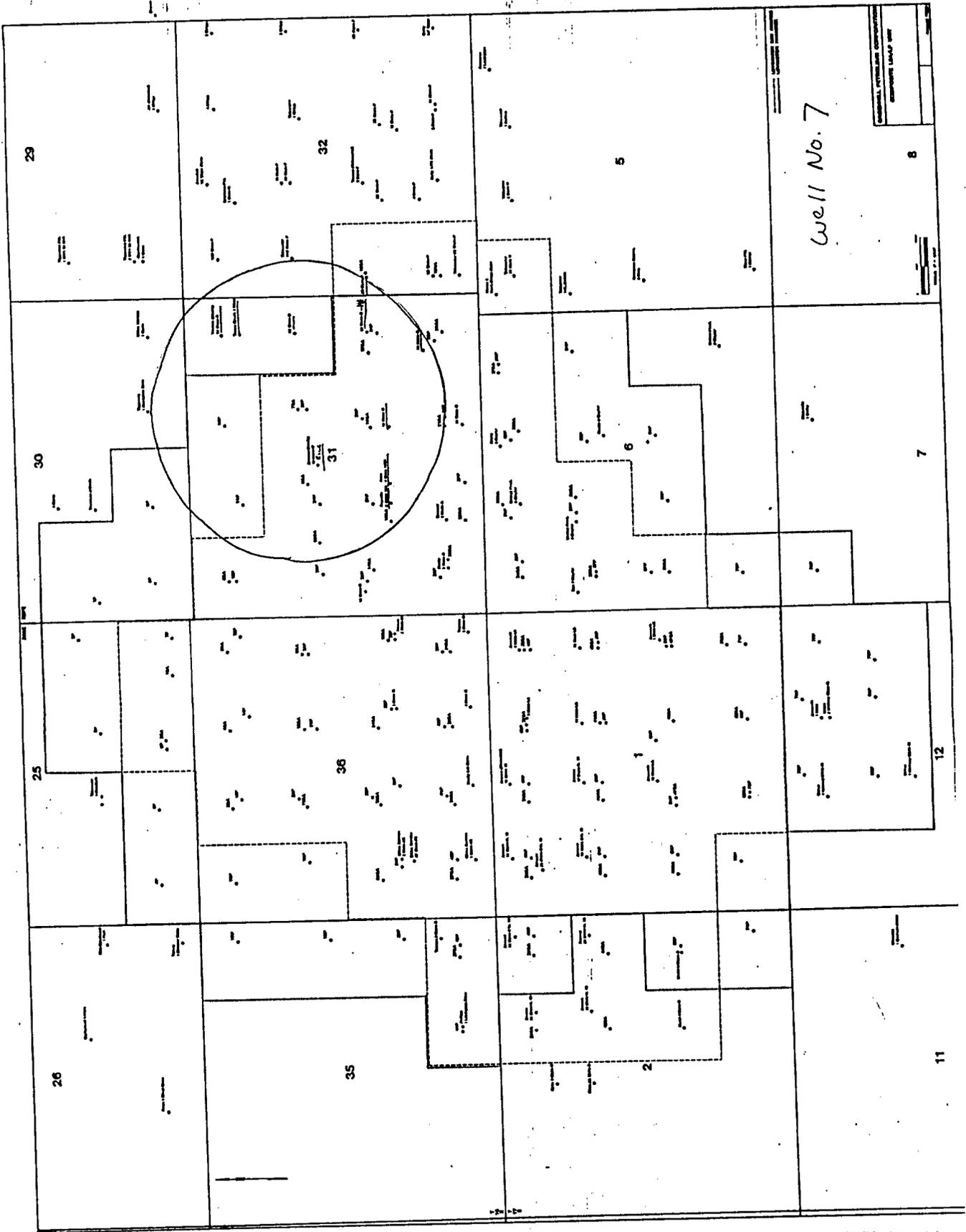
3. Is this a new well drilled for injection? No
If no, for what purpose was the well originally drilled? Production

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
1/5/49
deepen to 4990
4990





Well No. 7

WELL NO. 7
COMPOSITE LAYOUT

29

32

5

8

30

31

6

7

25

36

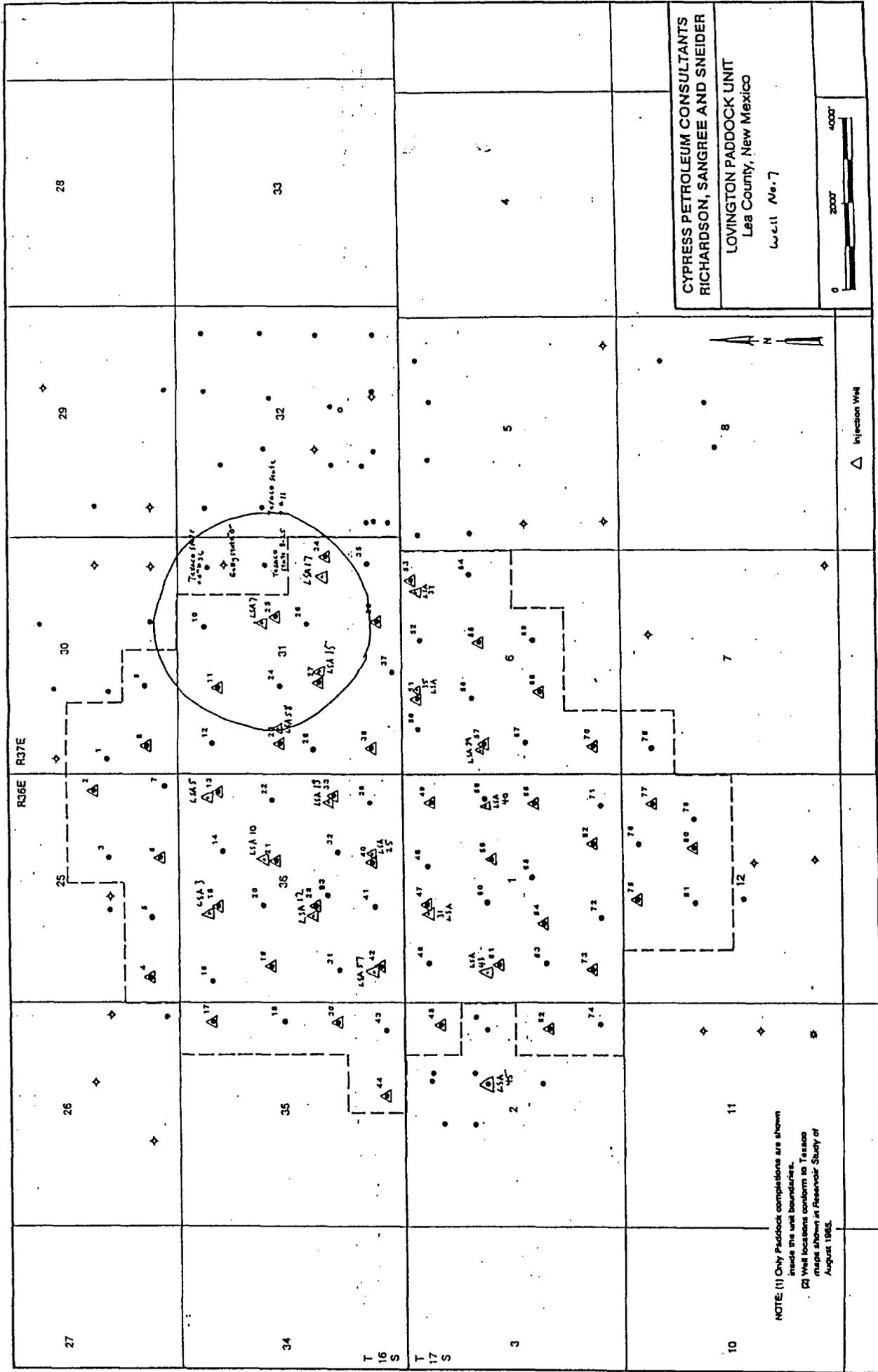
12

26

35

2

11



CYPRESS PETROLEUM CONSULTANTS
 RICHARDSON, SANGREE AND SNEIDER

LOVINGTON PADDOCK UNIT
 Lea County, New Mexico
 Well No. 7



NOTE: (1) Only Paddock completions are shown inside the well boundaries.
 (2) Well locations conform to Taseco maps shown in Reservoir Study of August 1985.

INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|-----------------------|---------------------------|----------|-------|
| Greenhill Petroleum Corporation | | Lovington San Andres Unit | | |
| OPERATOR | | LEASE | | |
| #10 | 1980' FNL & 1980' FEL | 36 | 16S | 36E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Surface Casing

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

Intermediate Casing

Size: 9-5/8 " Cemented with 250 SX
 TOC: 2246 feet determined by Calc
 Hole Size: 12"

Long String

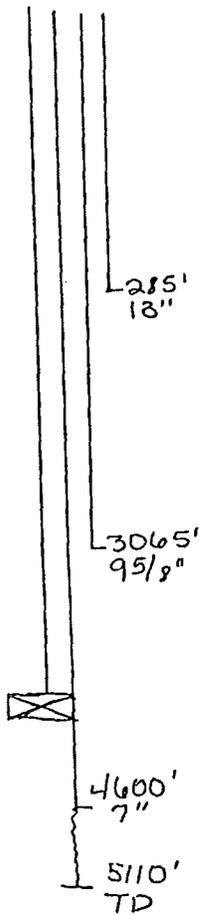
Size: 7 " Cemented with 225 SX
 TOC: 3189 feet determined by Calc
 Hole Size: 8-3/4"

Total Depth: 5110'

Injection Interval

4600 feet to 5110 feet
 (perforated or open-hole, indicate which)

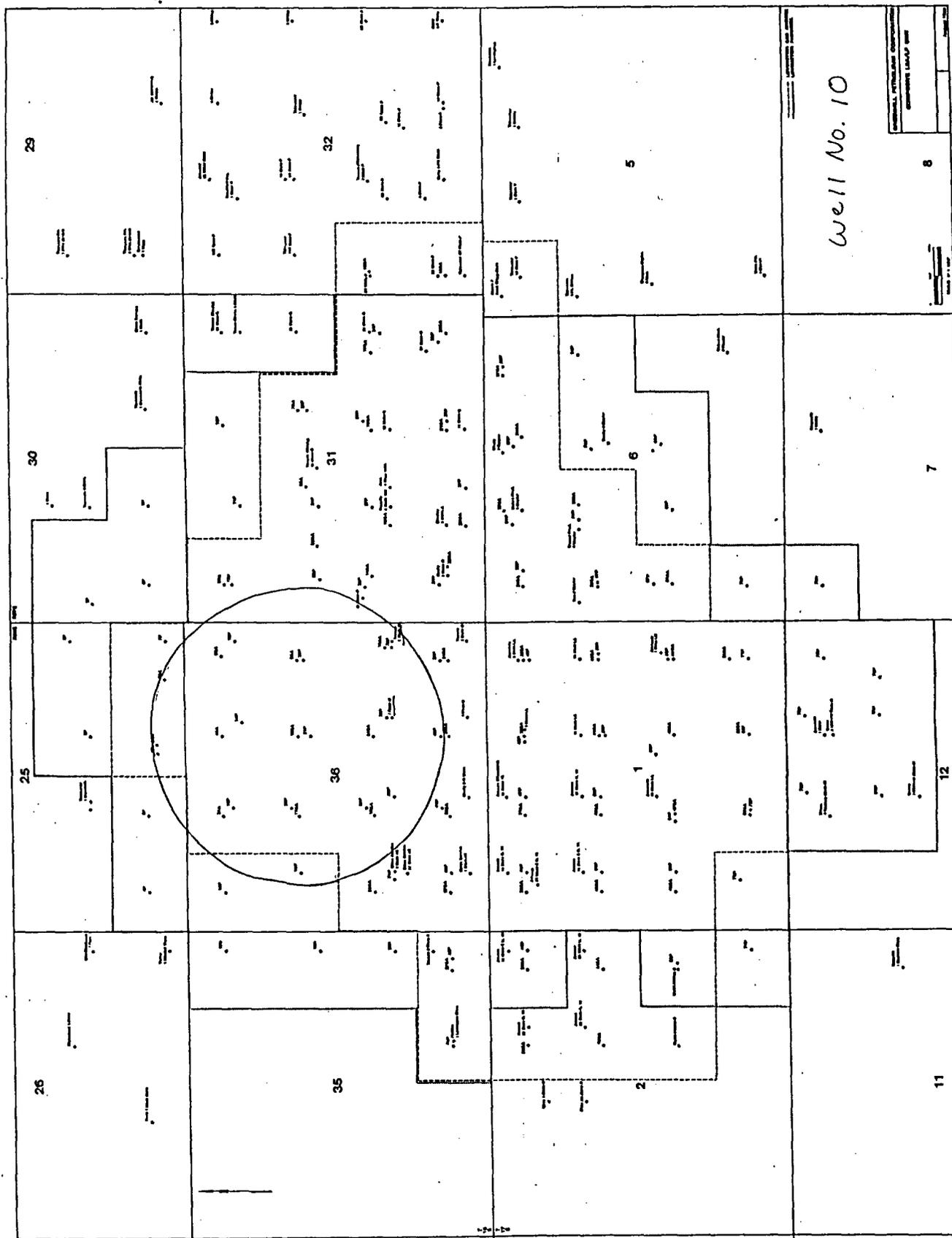
Completed
4-4-39

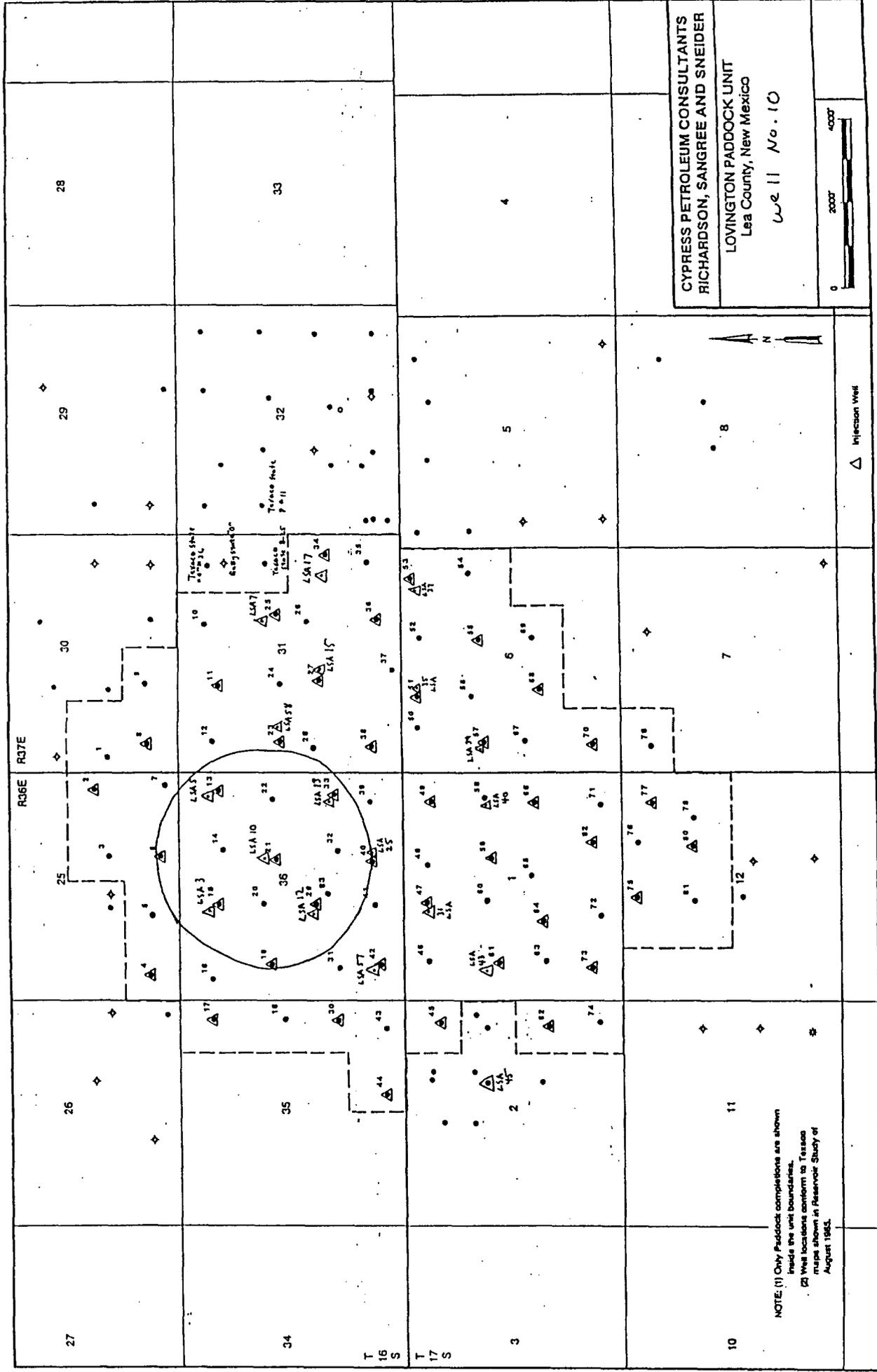


Tubing size 2-3/8" lined with IPC set in a
Water flood-tension packer packer at 4580 feet.
 (brand & model)
 (or describe any other casing-tubing seal).

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

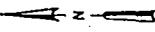
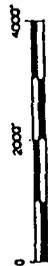




CYPRESS PETROLEUM CONSULTANTS
RICHARDSON, SANGREE AND SNEIDER

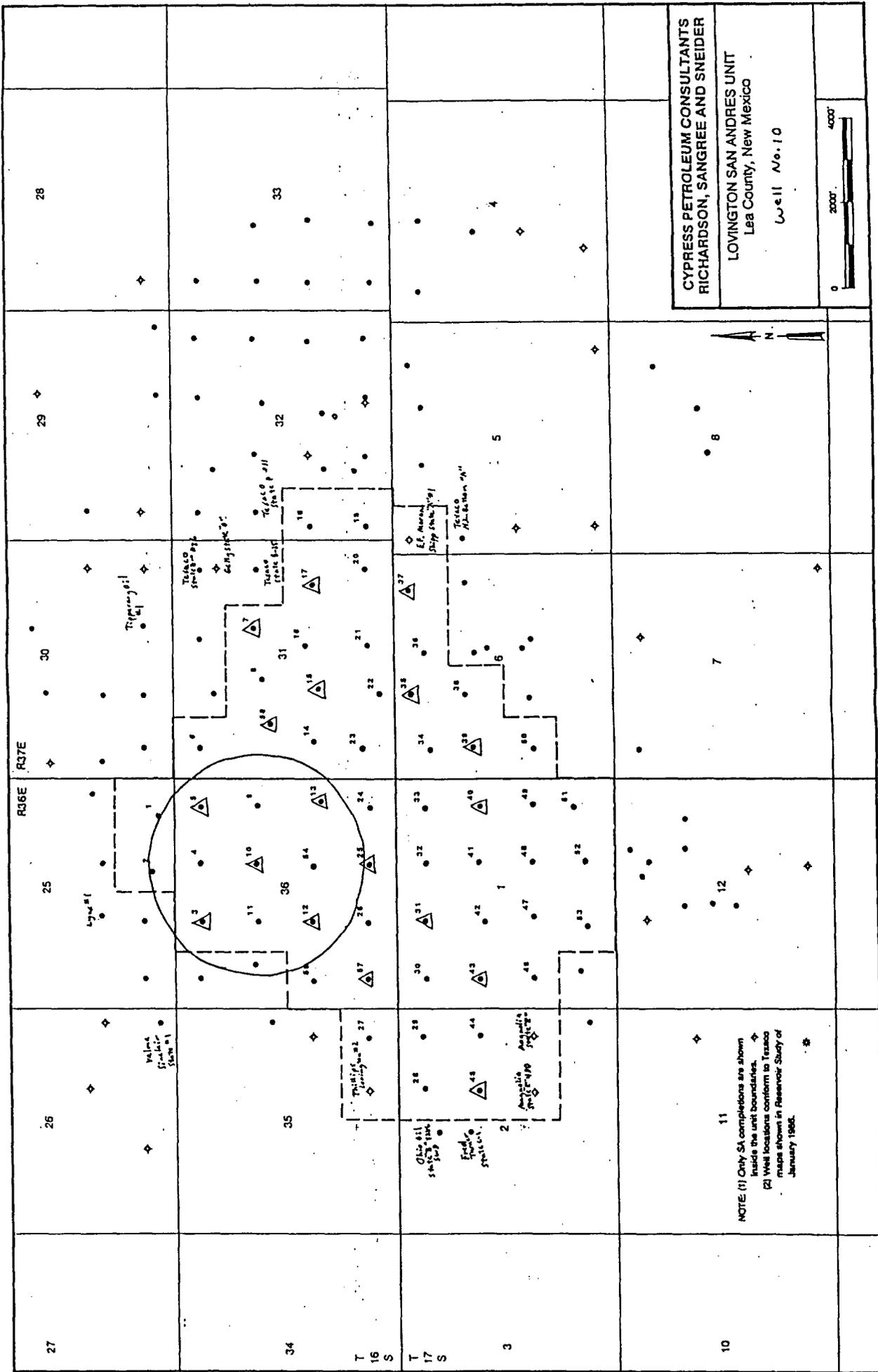
LOVINGTON PADDOCK UNIT
Lea County, New Mexico

Well No. 10



△ Injection Well

NOTE: (1) Only Paddock completions are shown inside the unit boundaries.
(2) Well locations conform to Terrace maps shown in Reservoir Study of August 1983.



CYPRESS PETROLEUM CONSULTANTS
 RICHARDSON, SANGREE AND SNEIDER

LOVINGTON SAN ANDRES UNIT
 Lea County, New Mexico

Well No. 10



NOTE: (1) Only SA completions are shown
 inside the unit boundaries. ♦
 (2) Well locations conform to Terrazo
 maps shown in Reservoir Study of
 January 1966. *

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INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|-----------------------|---------------------------|----------|-------|
| Greenhill Petroleum Corporation | | Lovington San Andres Unit | | |
| OPERATOR | | LEASE | | |
| #12 | 1980' FSL & 1980' FWL | 36 | 16S | 36E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Completed
7-5-45

Deepened
7/87



Surface Casing

Size: _____ " Cemented with _____ SX

TOC: _____ feet determined by _____

Hole size: _____

Intermediate Casing

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

TOC: _____ Surface feet determined by calc 80%

Hole Size: 11"

Long String

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

TOC: 2435 feet determined by calc 80%

Hole Size: 7-7/8"

Total Depth: 5055'

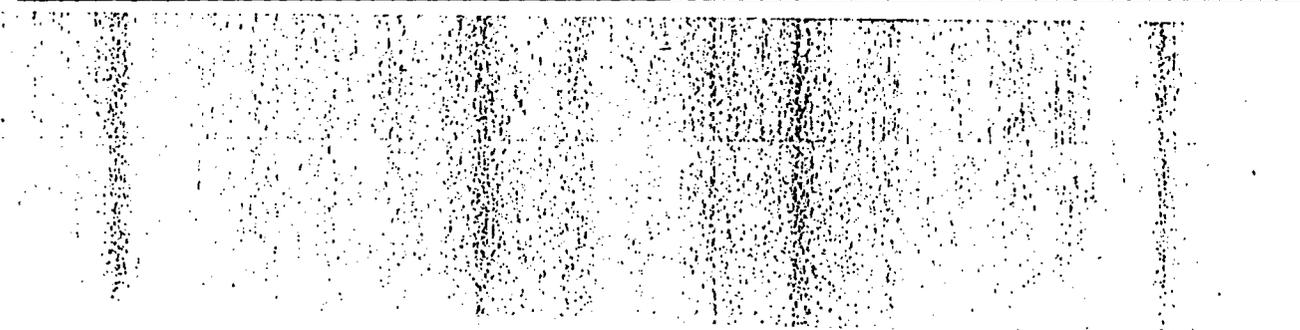
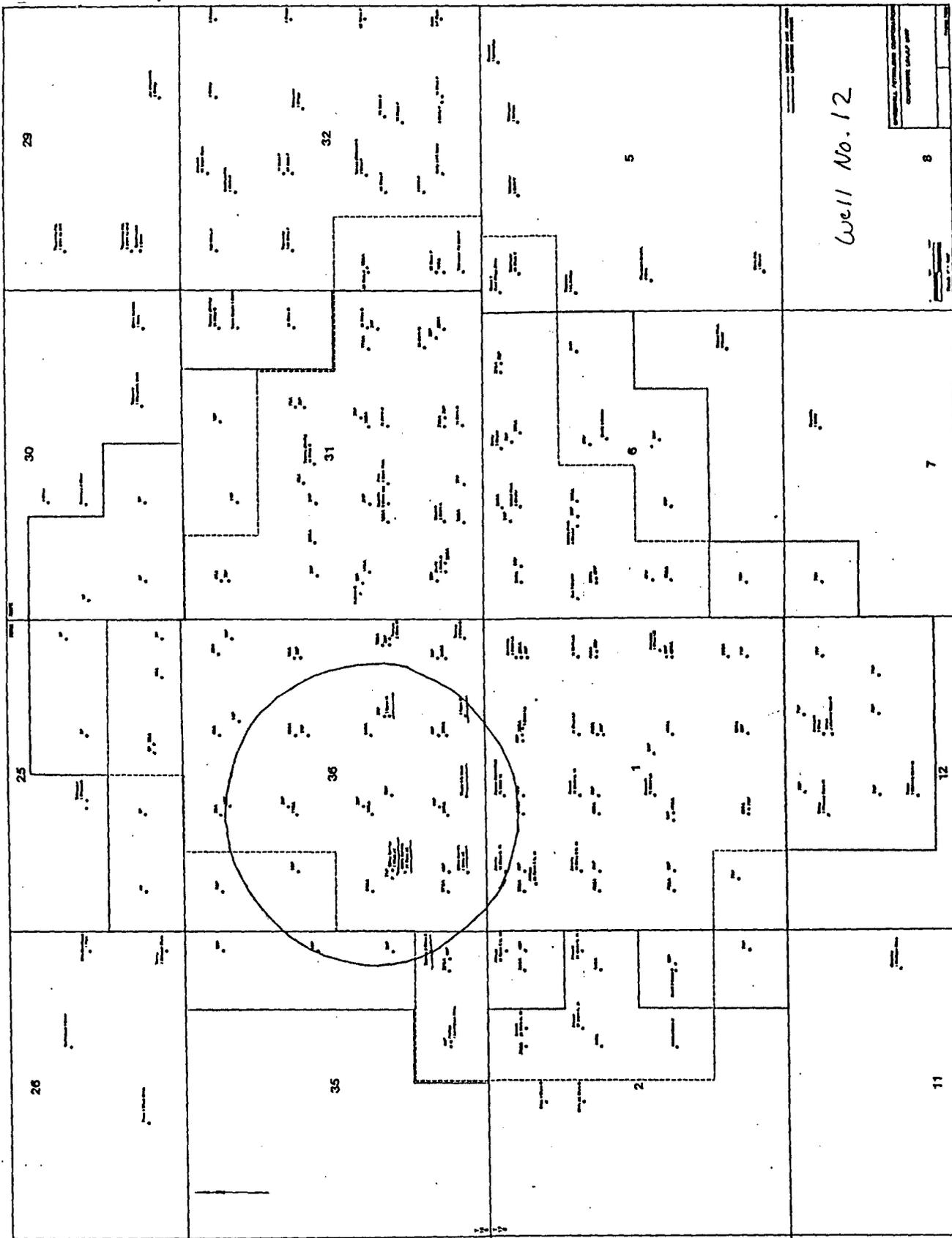
Injection Interval

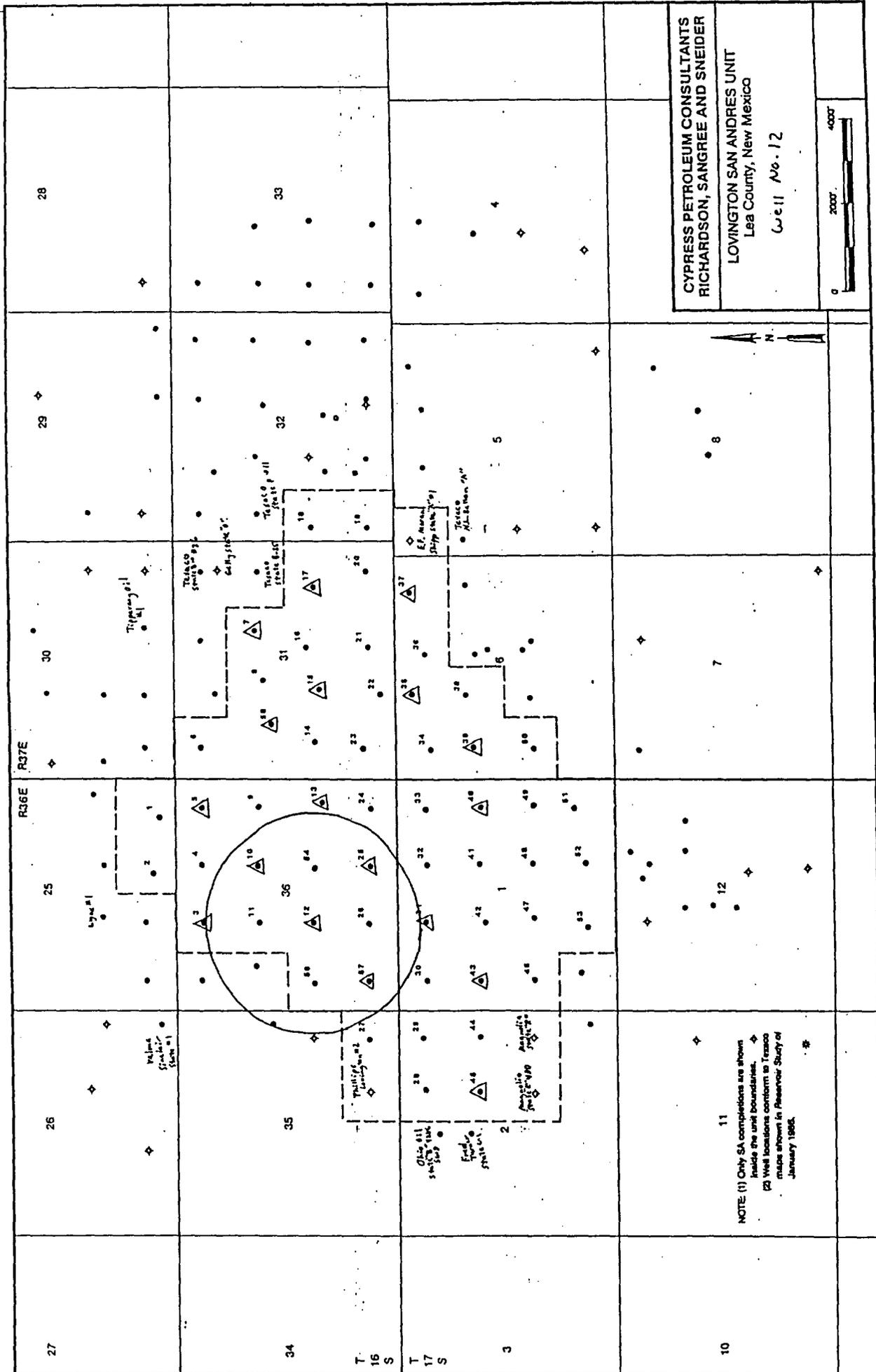
4580 feet to 5055 feet
(perforated or open-hole, indicate which)

Tubing size 2 3/8 lined with IPC set in a
(material)
Water flood-tension packer packer at 4560 feet.
(brand & model)
(or describe any other casing-tubing seal).

Other Data

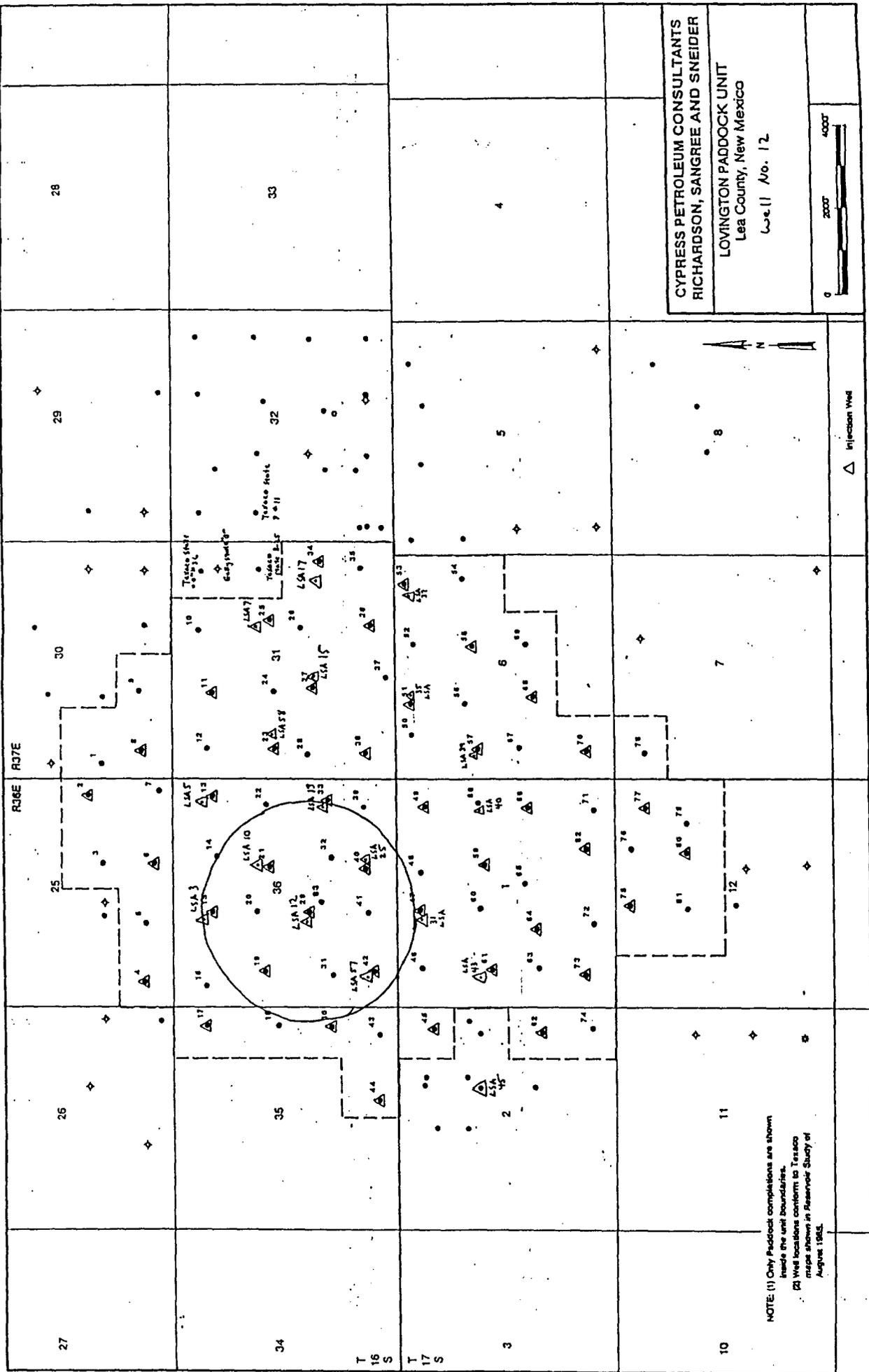
- Name of the injection formation San Andres
- Name of Field or Pool (If applicable) Lovington San Andres
- Is this a new well drilled for injection? No
If no, for what purpose was the well originally drilled? Production
- Has the well ever be perforated in any other zone(s)? List all such perforated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





CYPRESS PETROLEUM CONSULTANTS
 RICHARDSON, SANGREE AND SNEIDER
 LOVINGTON SAN ANDRES UNIT
 Lea County, New Mexico
 Well No. 12

11
 NOTE: (1) Only SA completions are shown
 inside the unit boundaries. ♦
 (2) Well locations conform to Texaco
 maps shown in Reservoir Study of
 January 1966. *



CYPRESS PETROLEUM CONSULTANTS
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 LOVINGTON PADDOCK UNIT
 Lea County, New Mexico
 No. 12

NOTE: (1) Only Paddock completions are shown inside the unit boundaries.
 (2) Well locations conform to Teraco traps shown in Reservoir Study of August 1965.



Injection Well

INJECTION WELL DATA SHEET

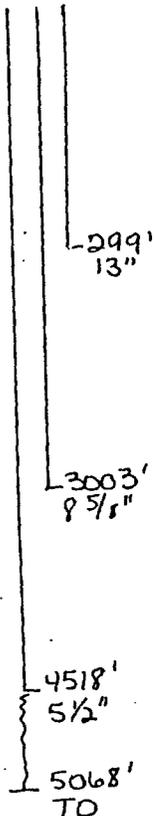
Greenhill Petroleum Corporation

Lovington San Andres

| OPERATOR | | LEASE | | |
|----------|----------------------|-------|----------|-------|
| #13 | 1760' FSL & 440' FEL | 36 | 16S | 36E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Completed
12-16-39



Surface Casing

Size: 13 " Cemented with 225 SX

TOC: Surface feet determined by calc

Hole size: ?

Intermediate Casing

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

TOC: 2235 feet determined by calc

Hole Size: 11"

Long String

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

TOC: 2818 feet determined by calc

Hole Size: 6-3/4"

Total Depth: 5068

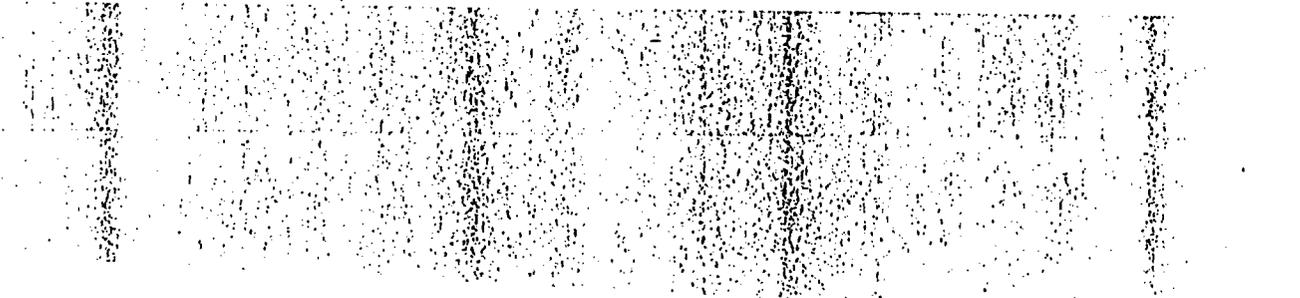
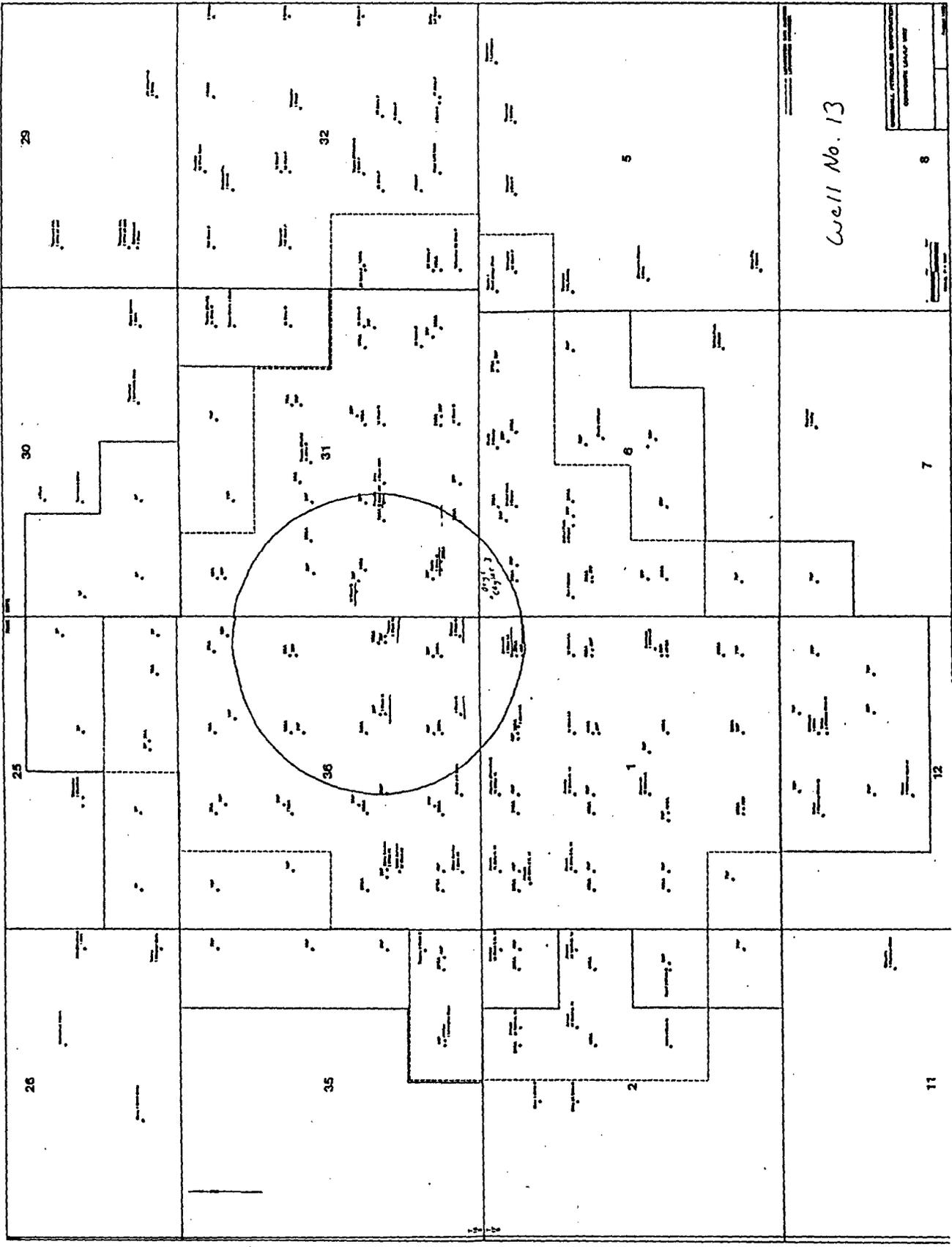
Injection Interval

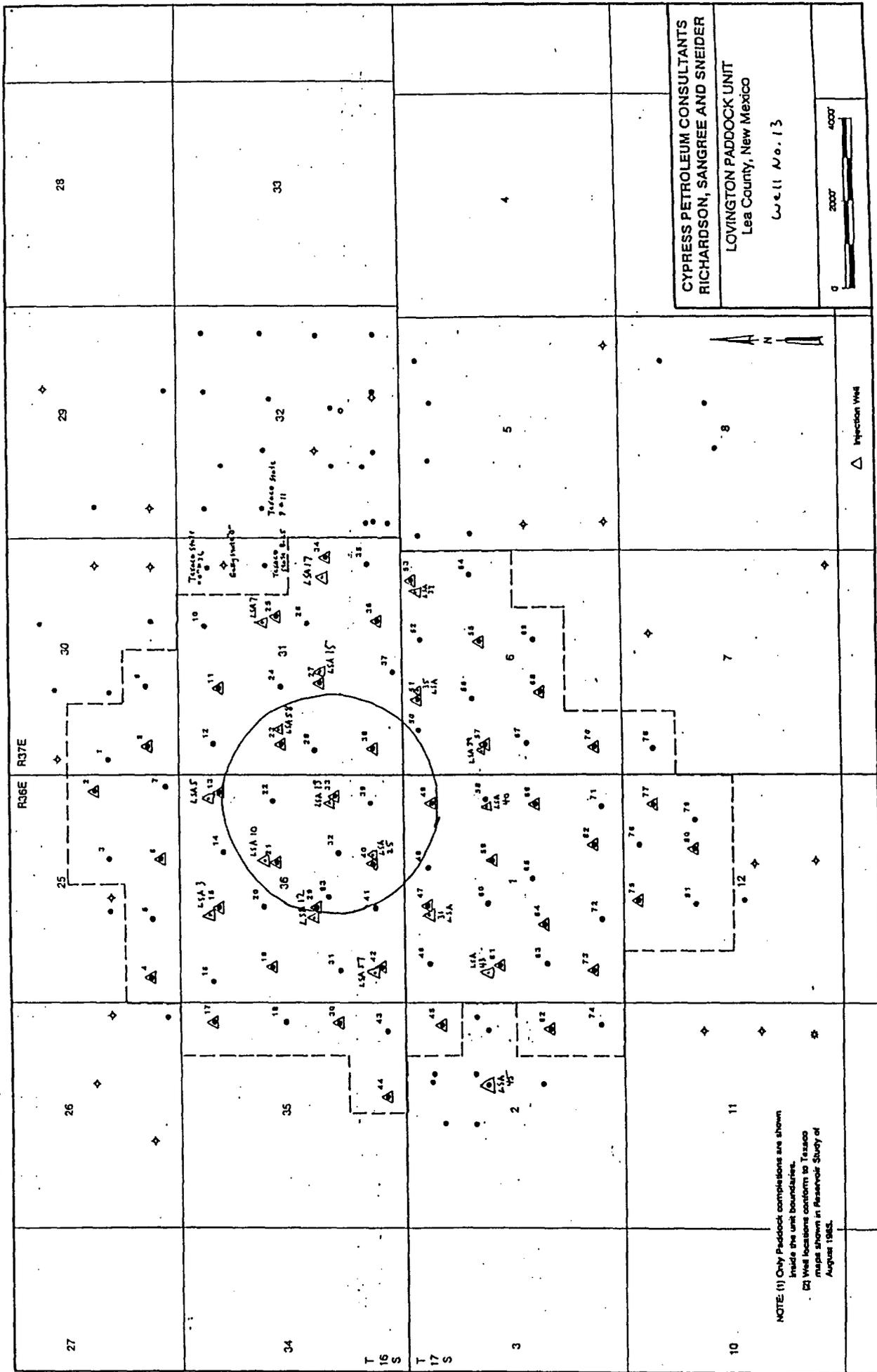
4518 feet to 5068 feet
(perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with IPC set in a
(material)
waterflood tension packer at 4495 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





CYPRESS PETROLEUM CONSULTANTS
 RICHARDSON, SANGREE AND SNEIDER

LOVINGTON PADDOCK UNIT
 Lea County, New Mexico

Well No. 13



NOTE: (1) Only Paddock completions are shown
 inside the unit boundaries.
 (2) Well locations conform to Tazaco
 maps shown in Reservoir Study of
 August 1983.

△ Injection Well

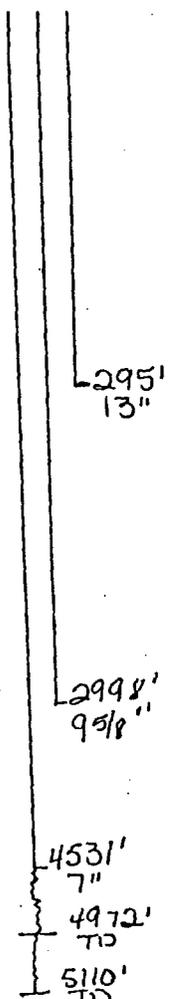
INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|-----------------------|----------------------|----------|-------|
| Greenhill Petroleum Corporation | | Lovington San Andres | | |
| OPERATOR | | LEASE | | |
| 15 | 1650' FSL & 1650' FWL | 31 | 16S | 37E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Completed
6-1-39

Deepened
7-23-86



Surface Casing

Size: 13 " Cemented with 200 SX

TOC: Surface feet determined by calc

Hole size: 17-1/4"

Intermediate Casing

Size: 9-5/8 " Cemented with 400 SX

TOC: 1818 feet determined by calc

Hole Size: 12"

Long String

Size: 7 " Cemented with 200 SX

TOC: 3840 feet determined by calc

Hole Size: 8-3/4"

Total Depth: 5110'

Injection Interval

4531 feet to 5110 feet
(perforated or open-hole, indicate which)

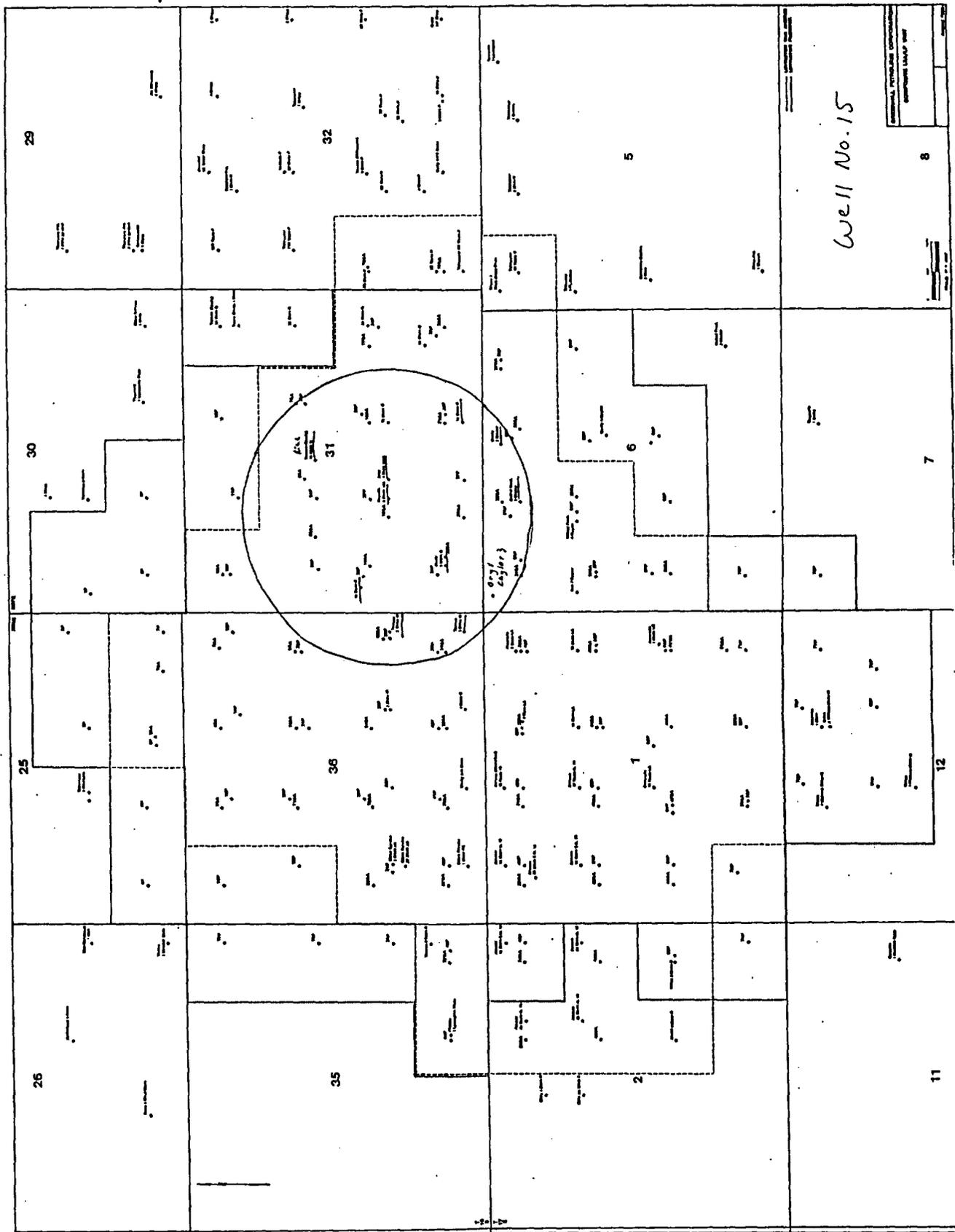
Tubing size 2-3/8" lined with IPC set in a
(material)

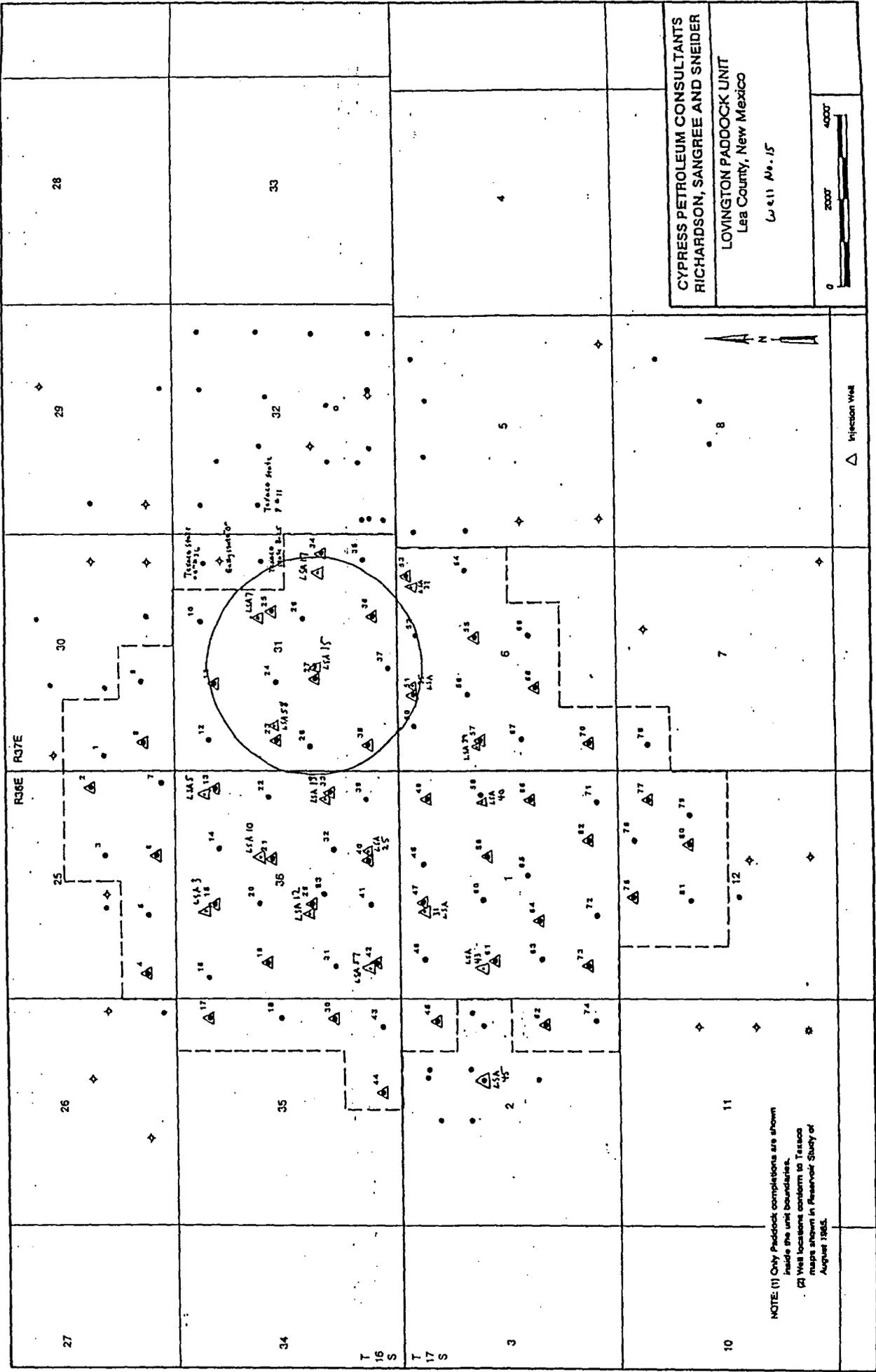
waterflood tension packer at 4510' feet.
(brand & model)

(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

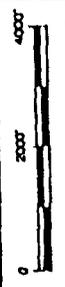




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 RICHARDSON, SANGREE AND SNEIDER

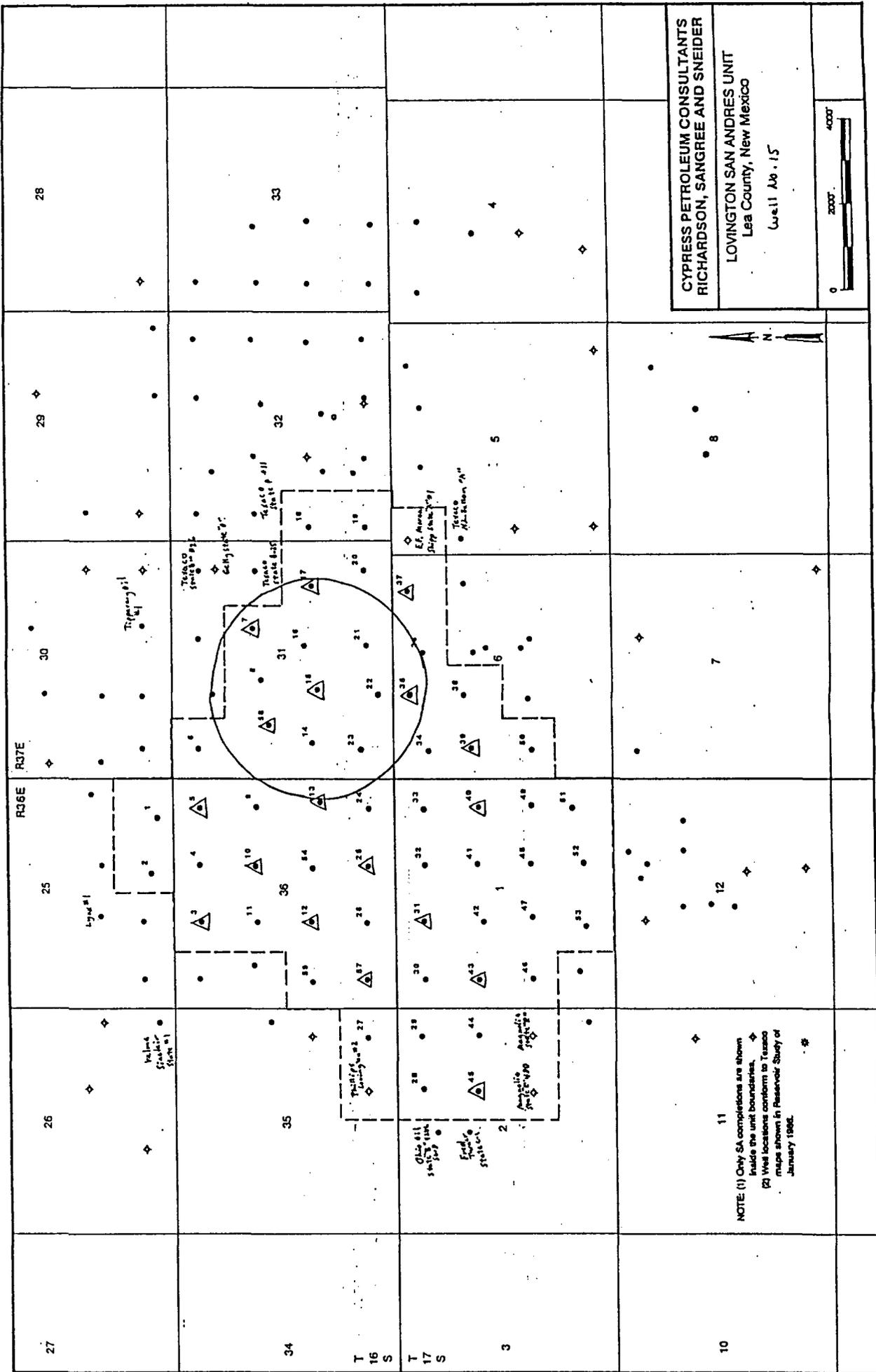
LOVINGTON PADDOCK UNIT
 Lea County, New Mexico

Well No. 15



NOTE: (1) Only Paddock completions are shown inside the unit boundaries.
 (2) Well locations conform to Tarsco maps shown in Reservoir Study of August 1965.

Injection Well



CYPRESS PETROLEUM CONSULTANTS
 RICHARDSON, SANGREE AND SNEIDER
 LOVINGTON SAN ANDRES UNIT
 Lea County, New Mexico
 Well No. 15

NOTE: (1) Only SA completions are shown
 inside the unit boundaries.
 (2) Well locations conform to Tezaco
 maps shown in Reservoir Study of
 January 1968.

INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|-------------------|---------------------------|----------|-------|
| Greenhill Petroleum Corporation | | Lovington San Andres Unit | | |
| OPERATOR | | LEASE | | |
| #17 | 660 FNL & 330 FEL | 31 | T-16S | R37E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Surface Casing

Size: 8 5/8 " Cemented with 450 SX

TOC: Surface feet determined by calc

Hole size: 10 1/4

Intermediate Casing

Size: _____ " Cemented with _____ SX

TOC: _____ feet determined by _____

Hole Size: _____

Long String

Size: 5 1/2 " Cemented with 400 SX

TOC: 1832 feet determined by 80% calc

Hole Size: 7 1/4

Total Depth: 4935'

Injection Interval

4623 feet to 5090 feet
(perforated or open-hole, indicate which)

Tubing size 2 3/8 lined with IPC set in a
(material)
water flood tension packer packer at 4603 feet.
(brand & model)
(or describe any other casing-tubing seal).

Other Data

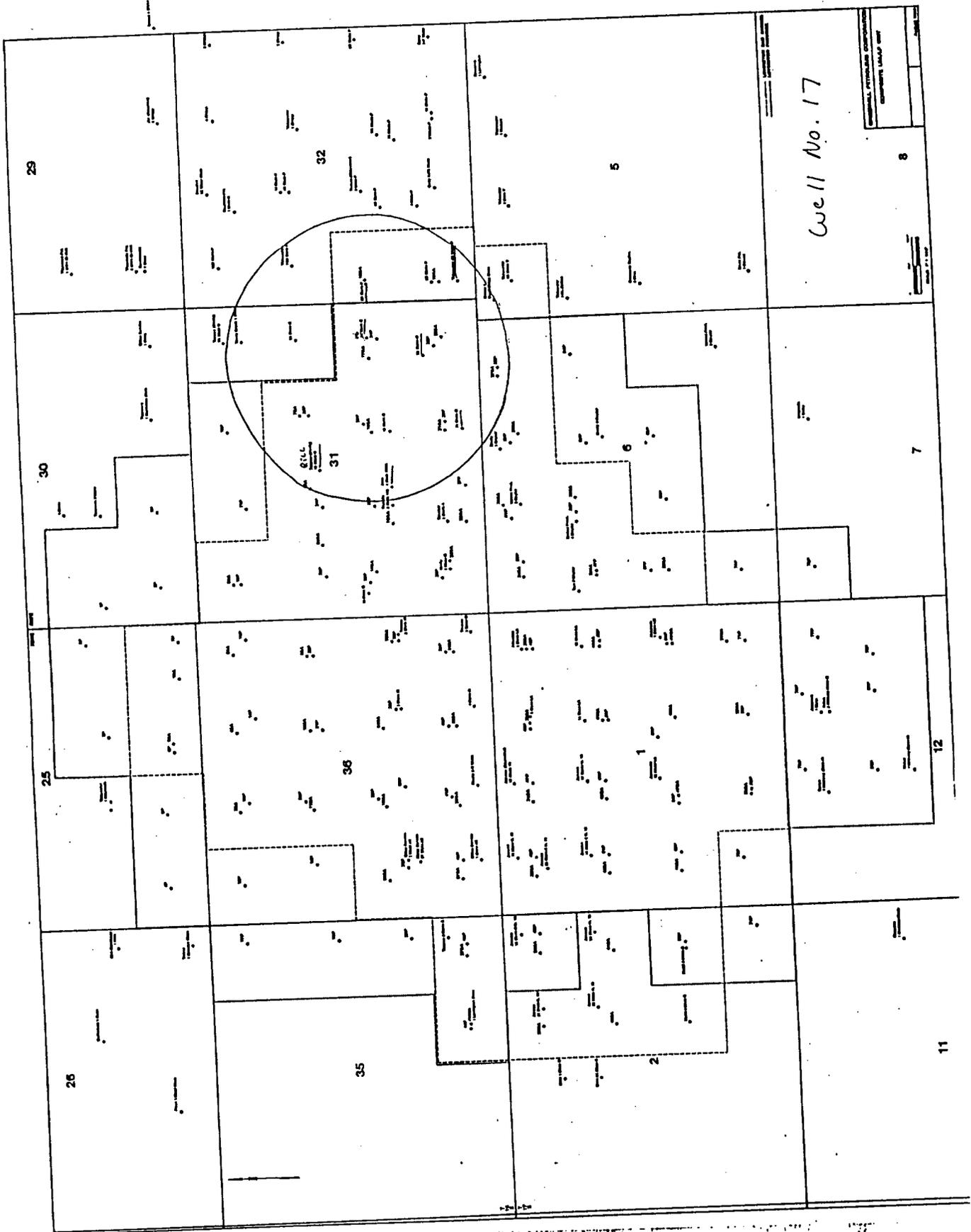
- Name of the injection formation San Andres
- Name of Field or Pool (If applicable) Lovington San Andres
- Is this a new well drilled for injection? No
If no, for what purpose was the well originally drilled? Production
- Has the well ever be perforated in any other zone(s)? List all such perforated 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
9/17/46
deepen to
5090

8 5/8"
2050'

4623'
5 1/2"

TD 4935'



Well No. 17

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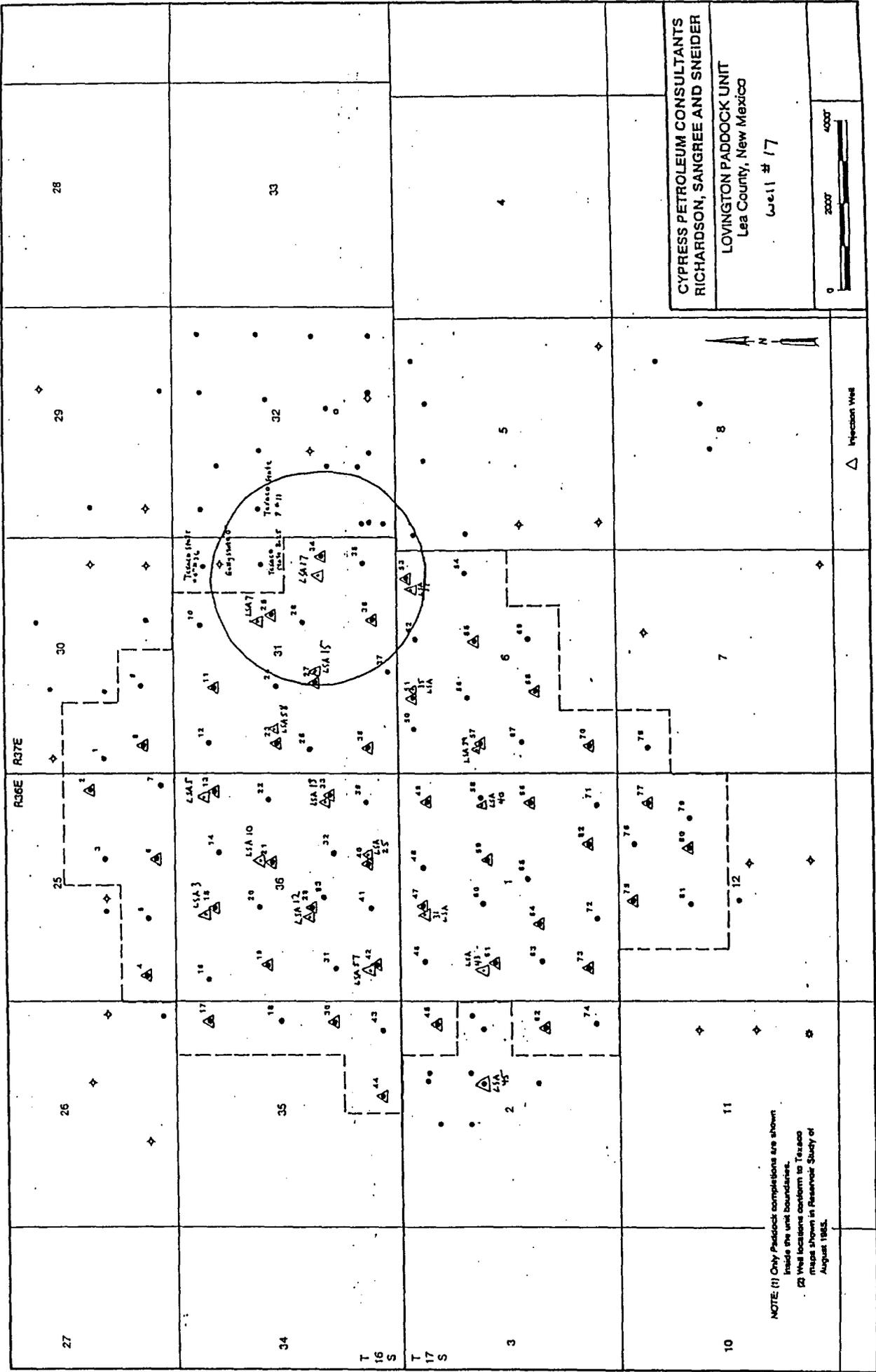
31

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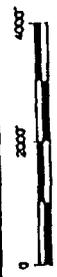
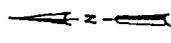
6



CYPRESS PETROLEUM CONSULTANTS
 RICHARDSON, SANGREE AND SNEIDER

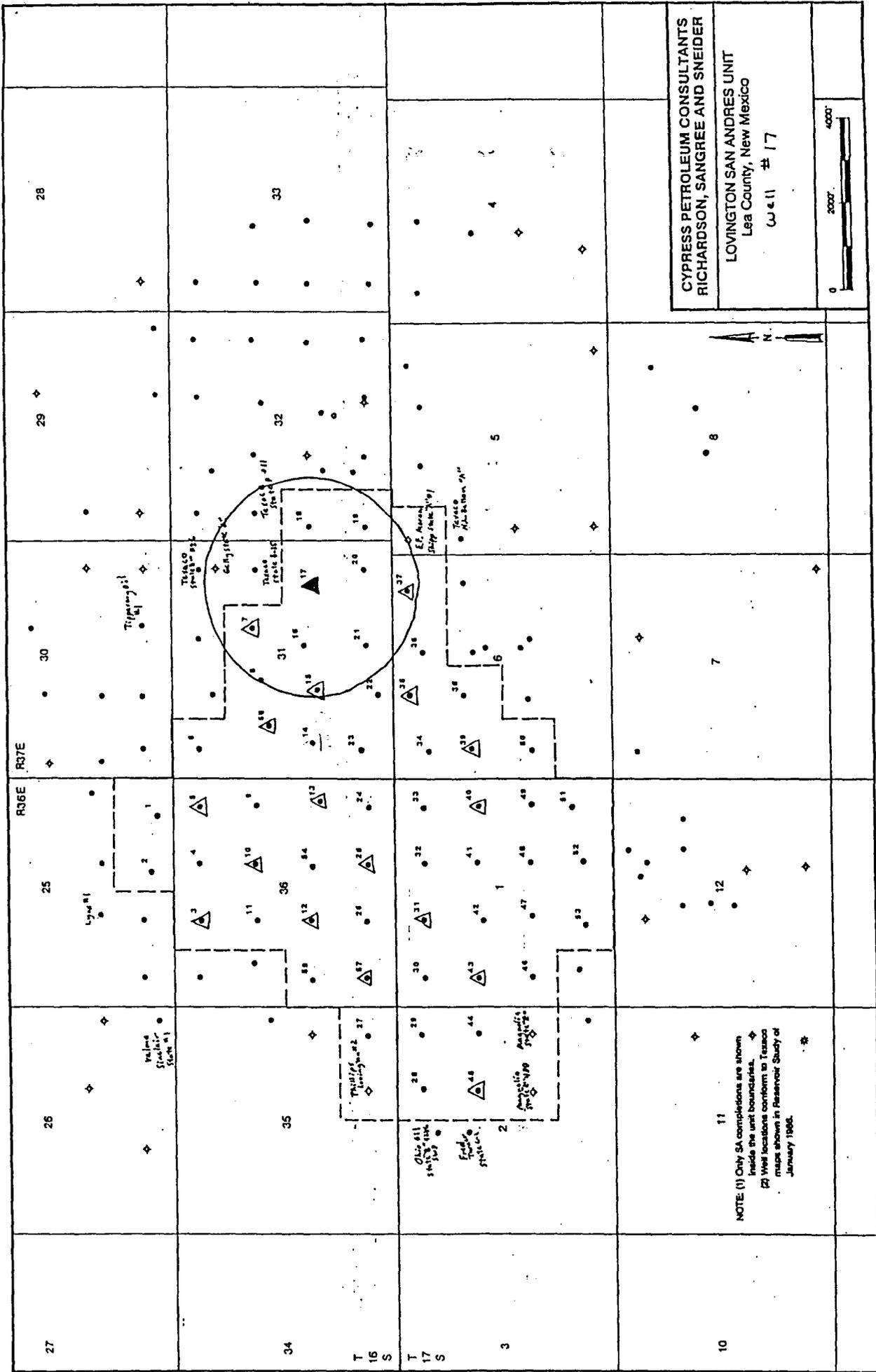
LOVINGTON PADDOCK UNIT
 Lea County, New Mexico

Well # 17



NOTE: (1) Only Paddock completions are shown inside the unit boundaries.
 (2) Well locations conform to Texas maps shown in Reservoir Study of August 1985.

△ Injection Well



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 RICHARDSON, SANGREE AND SNEIDER

LOVINGTON SAN ANDRES UNIT
 Lea County, New Mexico
 W 4 11 # 17



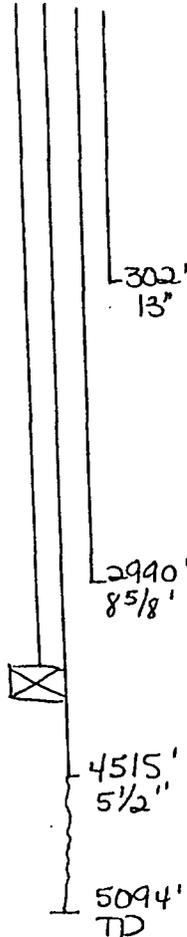
NOTE: (1) Only SA completions are shown inside the unit boundaries.
 (2) Well locations conform to Tazaco maps shown in Reservoir Study of January 1966.

INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|----------------------|----------------------|----------|-------|
| Greenhill Petroleum Corporation | | Lovington San Andres | | |
| OPERATOR | | LEASE | | |
| #25 | 1980' FEL & 660' FSL | 36 | 16S | 36E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Completed
10-18-39



Surface Casing

Size: 13 " Cemented with 200 SX

TOC: Surface feet determined by circ

Hole size: 17-1/4"

Intermediate Casing

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

TOC: 1765 feet determined by calc

Hole Size: 11"

Long String

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

TOC: 3424 feet determined by calc

Hole Size: 7-7/8"

Total Depth: 5094'

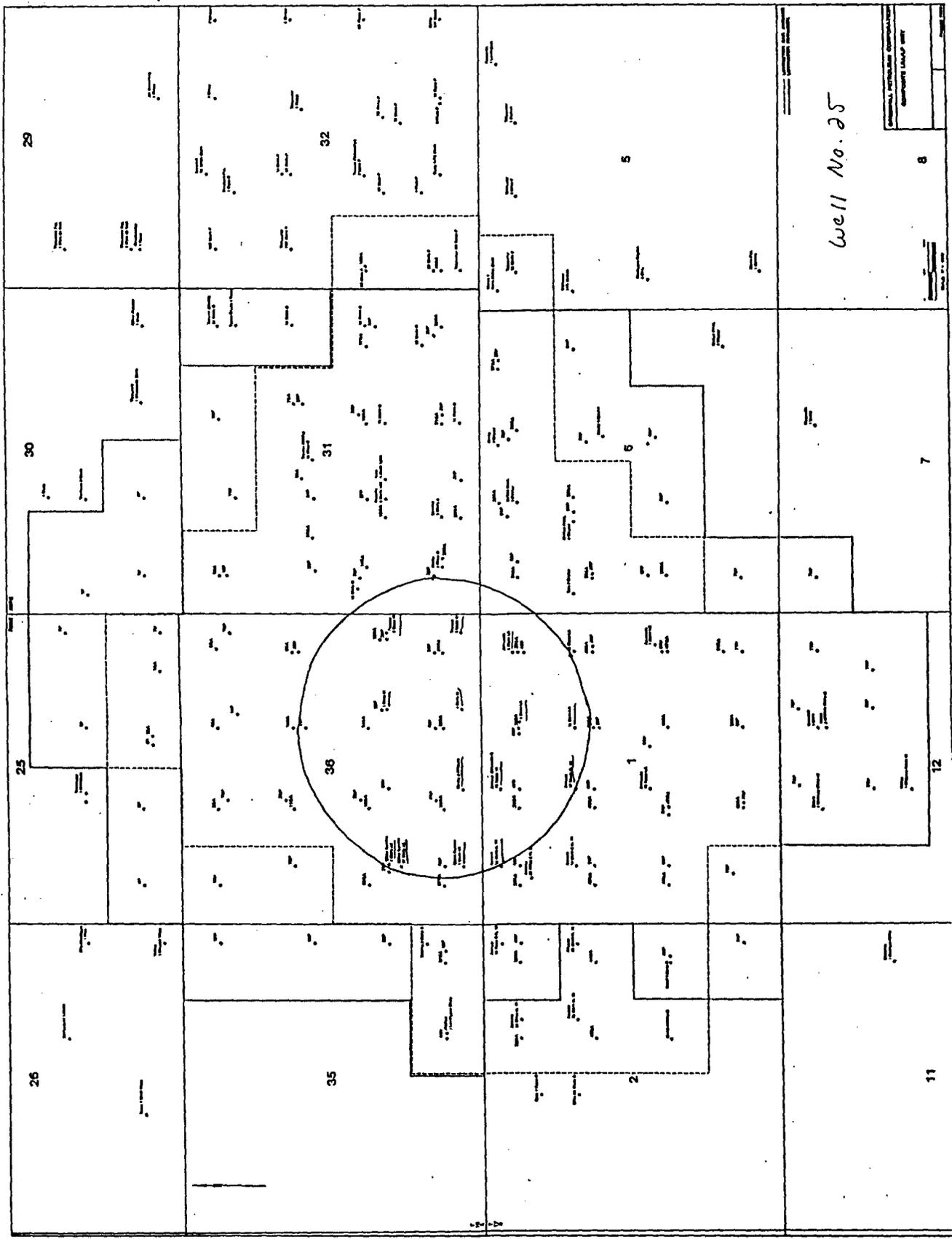
Injection Interval

4515 feet to 5090 feet
(perforated or open-hole, indicate which)

Tubing size 2- /8 lined with IPC set in a
waterflood tension packer at 4495 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



Well No. 25

Geological Cross Section
Scale 1:1000

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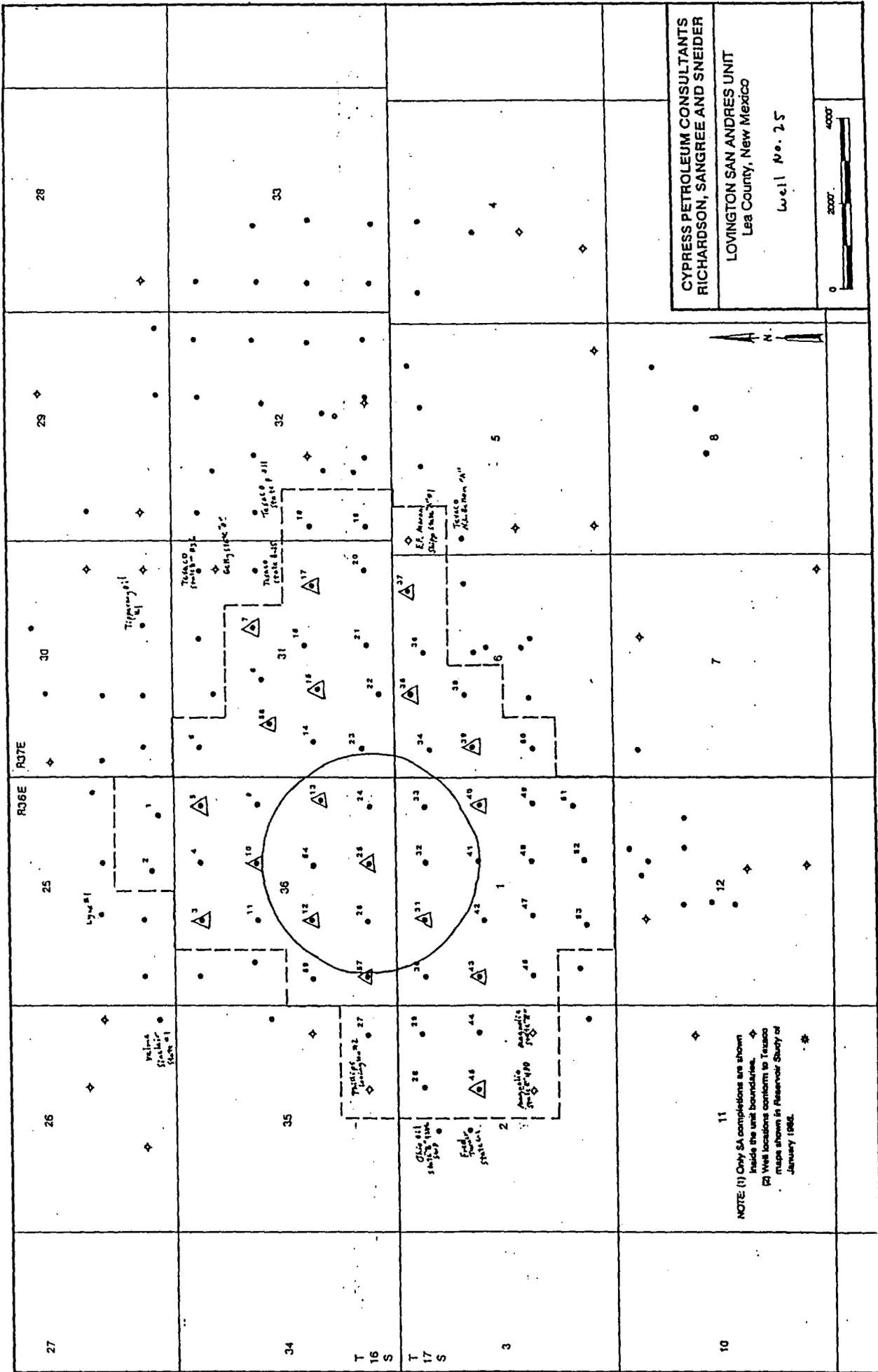
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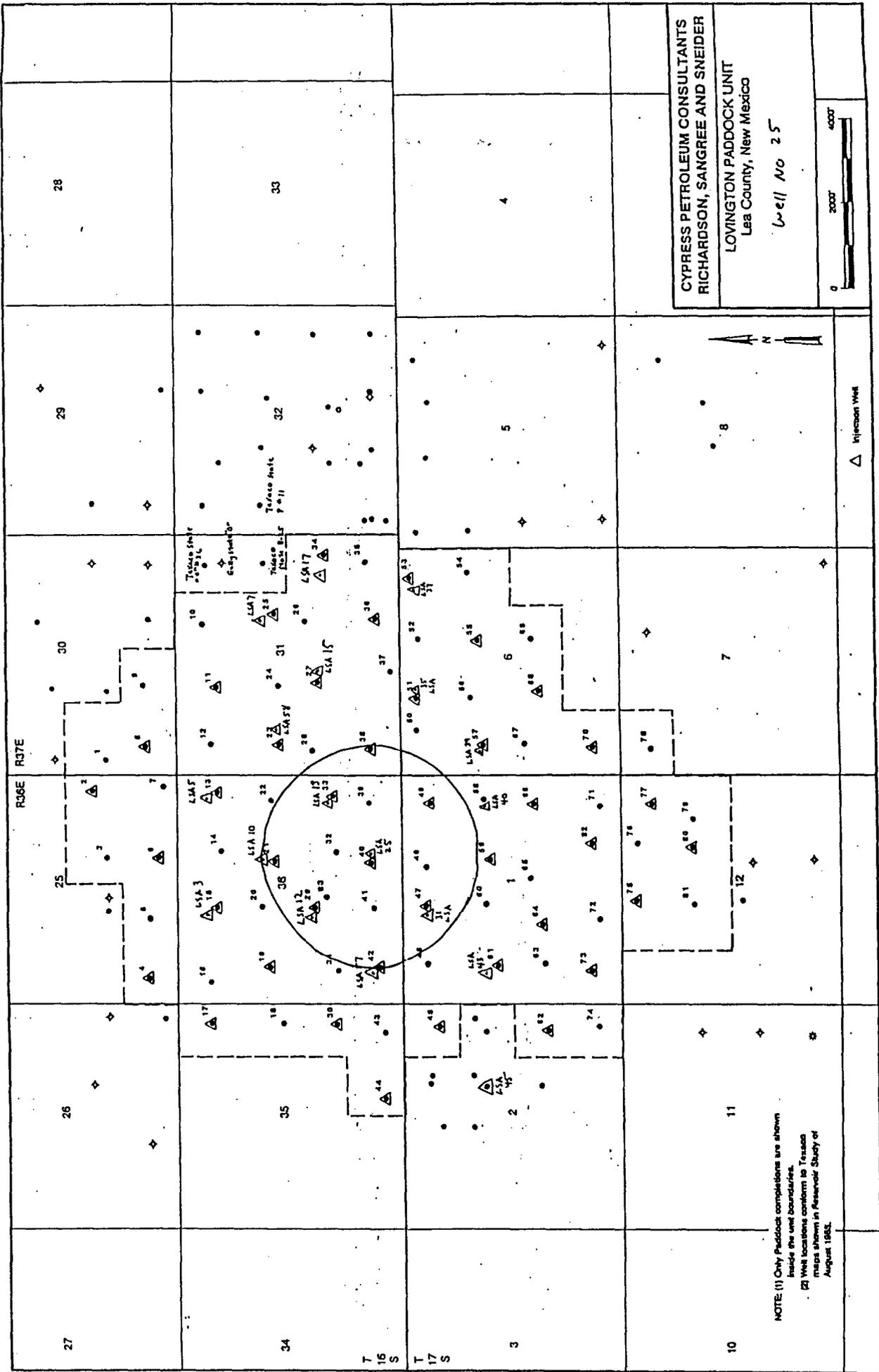
CYPRESS PETROLEUM CONSULTANTS
 RICHARDSON, SANGREE AND SNEIDER

LOVINGTON SAN ANDRES UNIT
 Lea County, New Mexico

Well No. 25



NOTE: (1) Only SA completions are shown inside the unit boundaries.
 (2) Well locations conform to Texas maps shown in Reservoir Study of January 1962.



CYPRESS PETROLEUM CONSULTANTS
 RICHARDSON, SANGREE AND SNEIDER
 LOVINGTON PADDOCK UNIT
 Lea County, New Mexico
 Well No 25

NOTE: (1) Chry Paddock completions are shown inside the well boundaries.
 (2) Well locations conform to Texas maps shown in Reservoir Study of August, 1955.

Injection Well

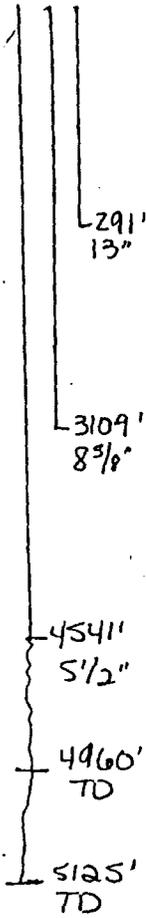
INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|----------------------|----------------------|----------|-------|
| Greenhill Petroleum Corporation | | Lovington San Andres | | |
| OPERATOR | | LEASE | | |
| #31 | 660' FNL & 1980' FWL | 1 | 17S | 36E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Completed
12-22-39

Deepened
6-20-87



Surface Casing

Size: 13 " Cemented with 200 SX
 TOC: Surface feet determined by circ
 Hole size: 17-1/4"

Intermediate Casing

Size: 8-5/8 " Cemented with 500 SX
 TOC: 2021 feet determined by calc
 Hole Size: 11"

Long String

Size: 5-1/2 " Cemented with 325 SX
 TOC: 2890 feet determined by calc 80%
 Hole Size: 7-7/8"

Total Depth: 5125

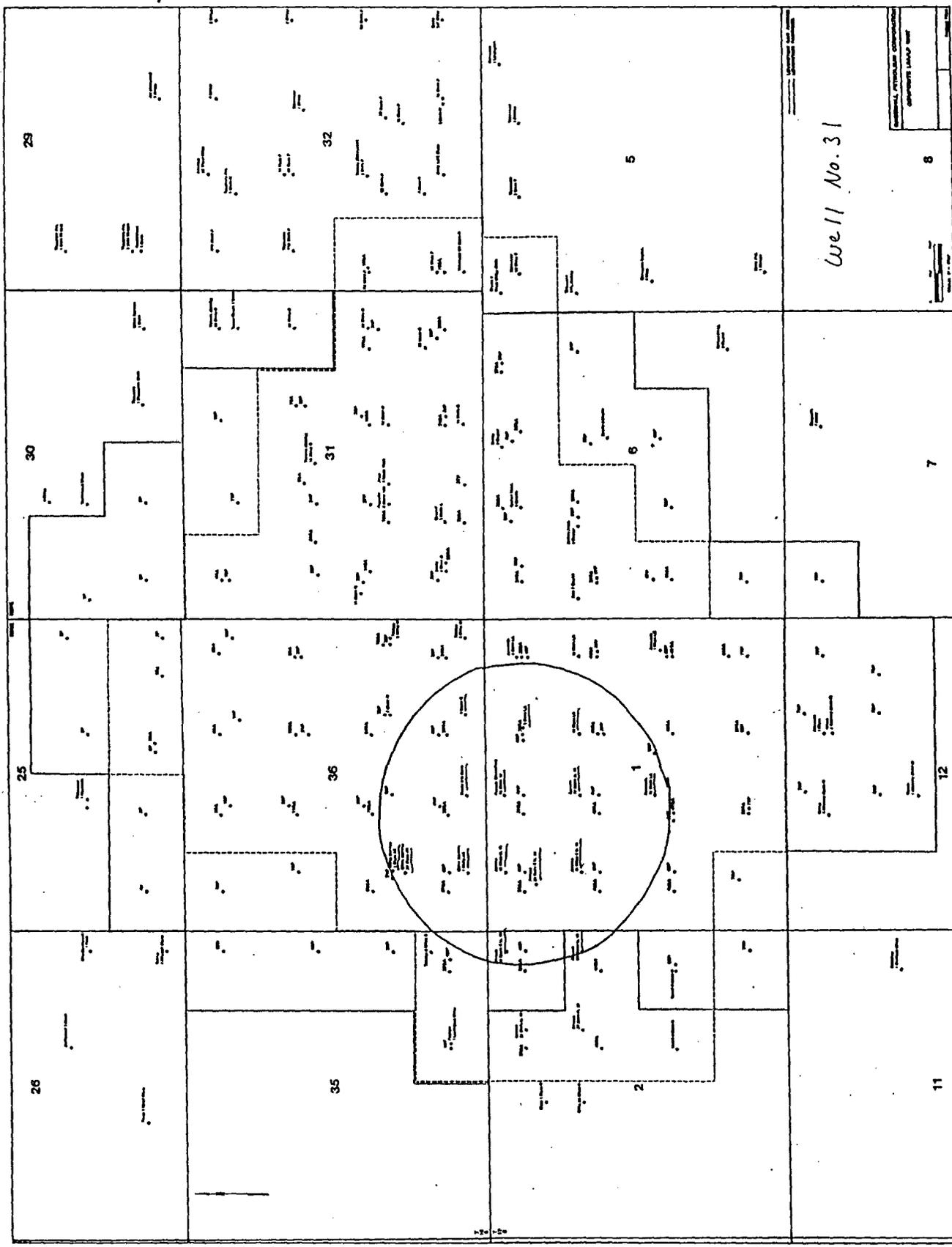
Injection Interval

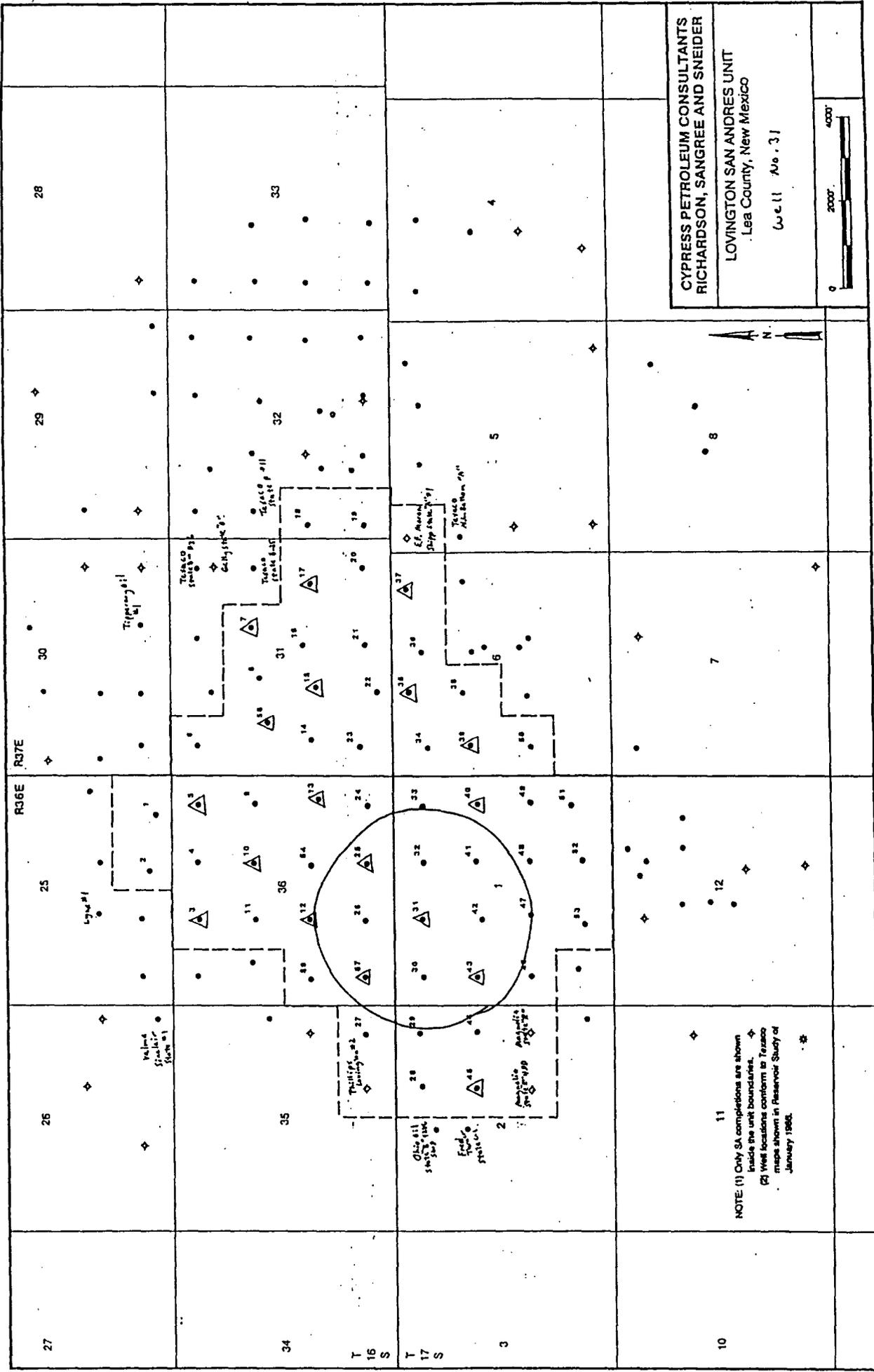
4541 feet to 5125 feet
 (perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with IPC set in a
water flood tension packer at 4499 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

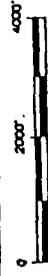




CYPRESS PETROLEUM CONSULTANTS
 RICHARDSON, SANGRE AND SNEIDER

LOVINGTON SAN ANDRES UNIT
 Lea County, New Mexico

Well No. 31



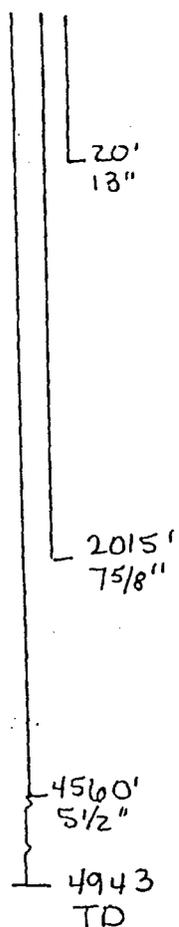
NOTE (1) Only SA completions are shown
 inside the unit boundaries. ♦
 (2) Well locations conform to Terzaco
 maps shown in Reservoir Study of
 January 1980. *

INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|---------------------|----------------------|----------|-------|
| Greenhill Petroleum Corporation | | Lovington San Andres | | |
| OPERATOR | | LEASE | | |
| #37 | 330' FNL & 990' FEL | 6 | 17S | 37E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Completed
7-24-46



Deepen to 5030

Surface Casing

Size: 13 " Cemented with 20 SX

TOC: Surface feet determined by circ

Hole size: 15 "

Intermediate Casing

Size: 7-5/8 " Cemented with 500 SX

TOC: Surface feet determined by calc

Hole Size: 9-3/4 "

Long String

Size: 5-1/2 " Cemented with 290 SX

TOC: Surface feet determined by calc

Hole Size: 6-1/4 "

Total Depth: 4943'

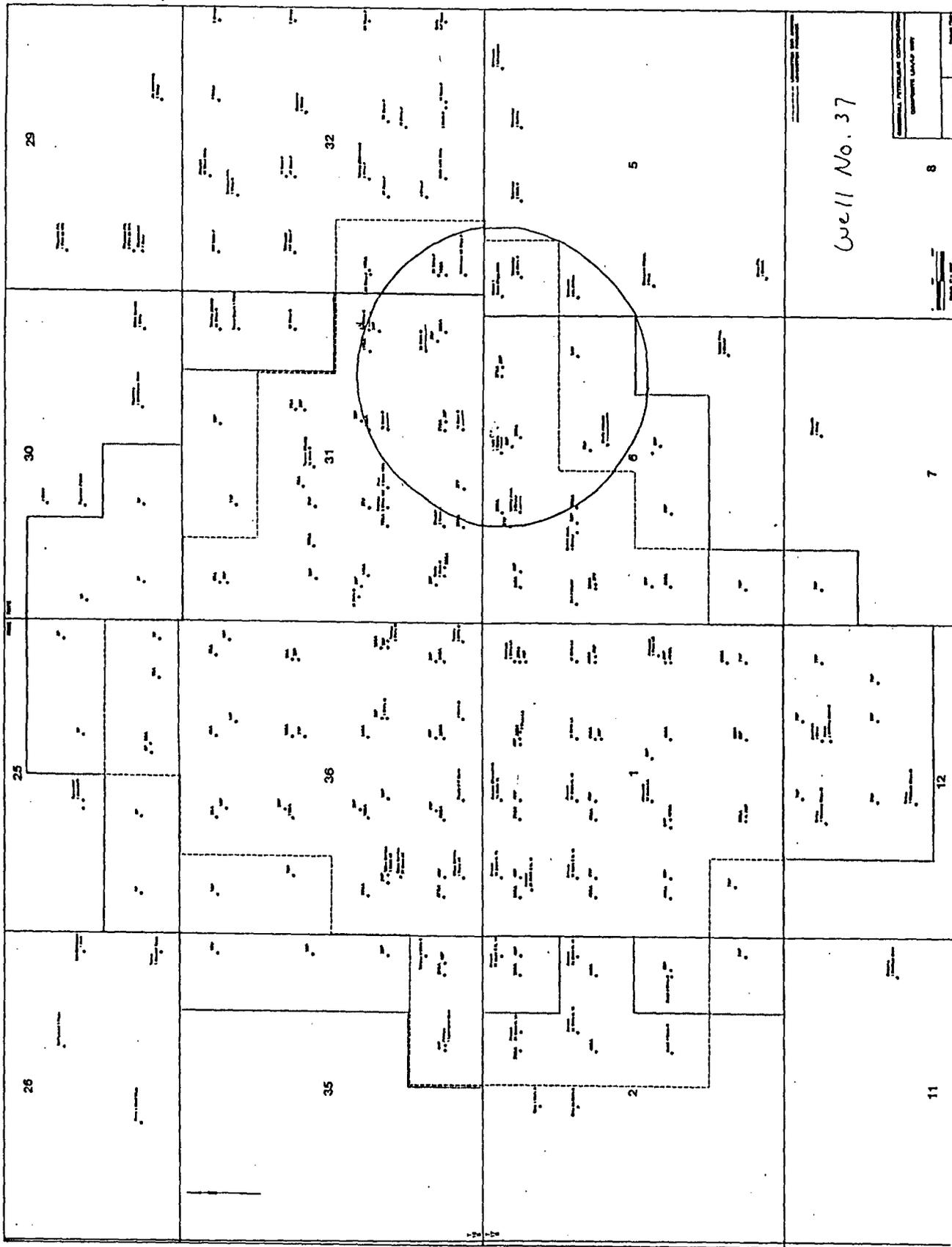
Injection Interval

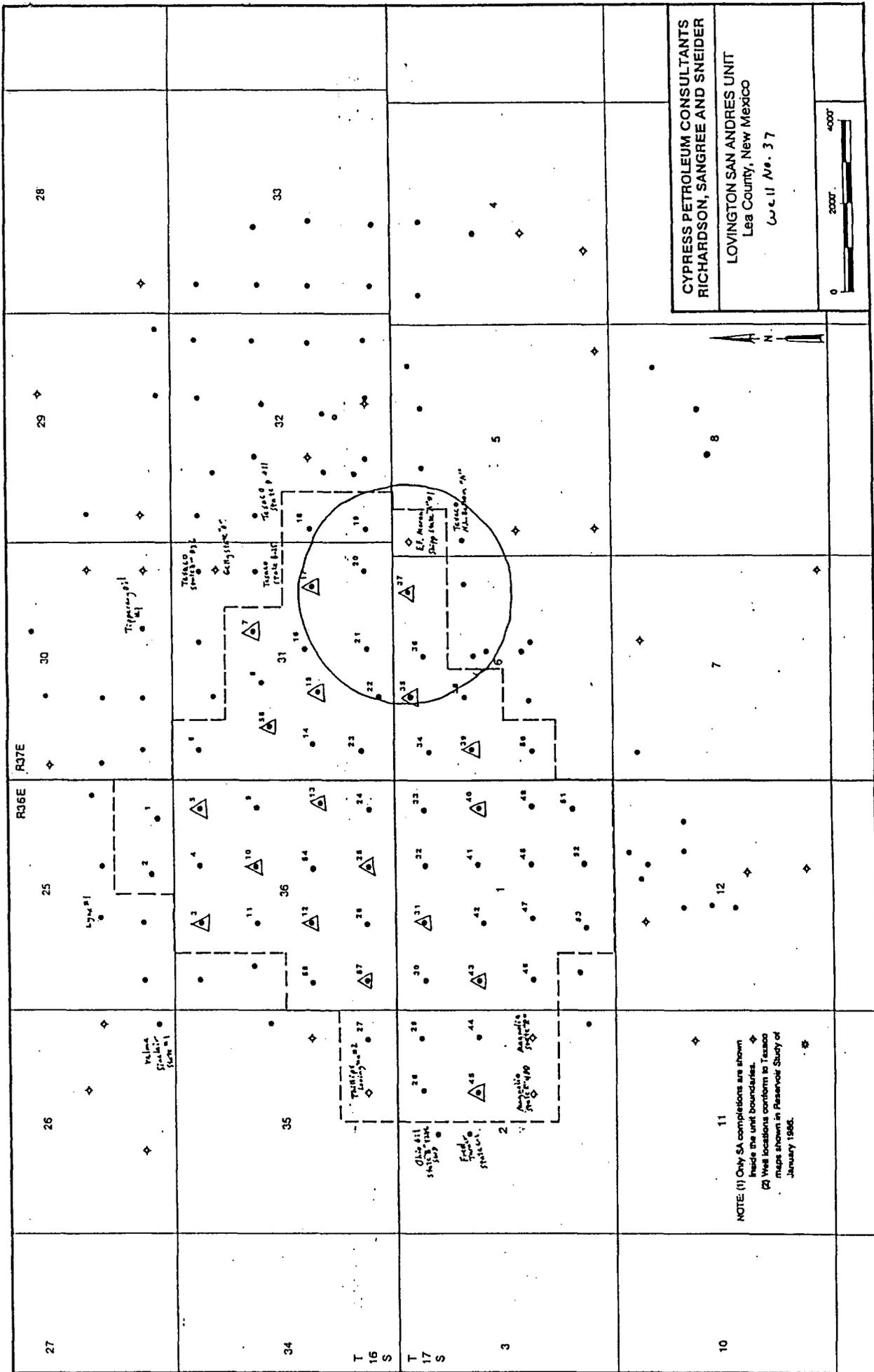
4560 — feet to 5030 — feet
(perforated or open-hole, indicate which)

Tubing size 2 7/8 — lined with IPC set in a
(material)
packer at 4510 feet.
(brand & model)
(or describe any other casing-tubing seal).

Other Data

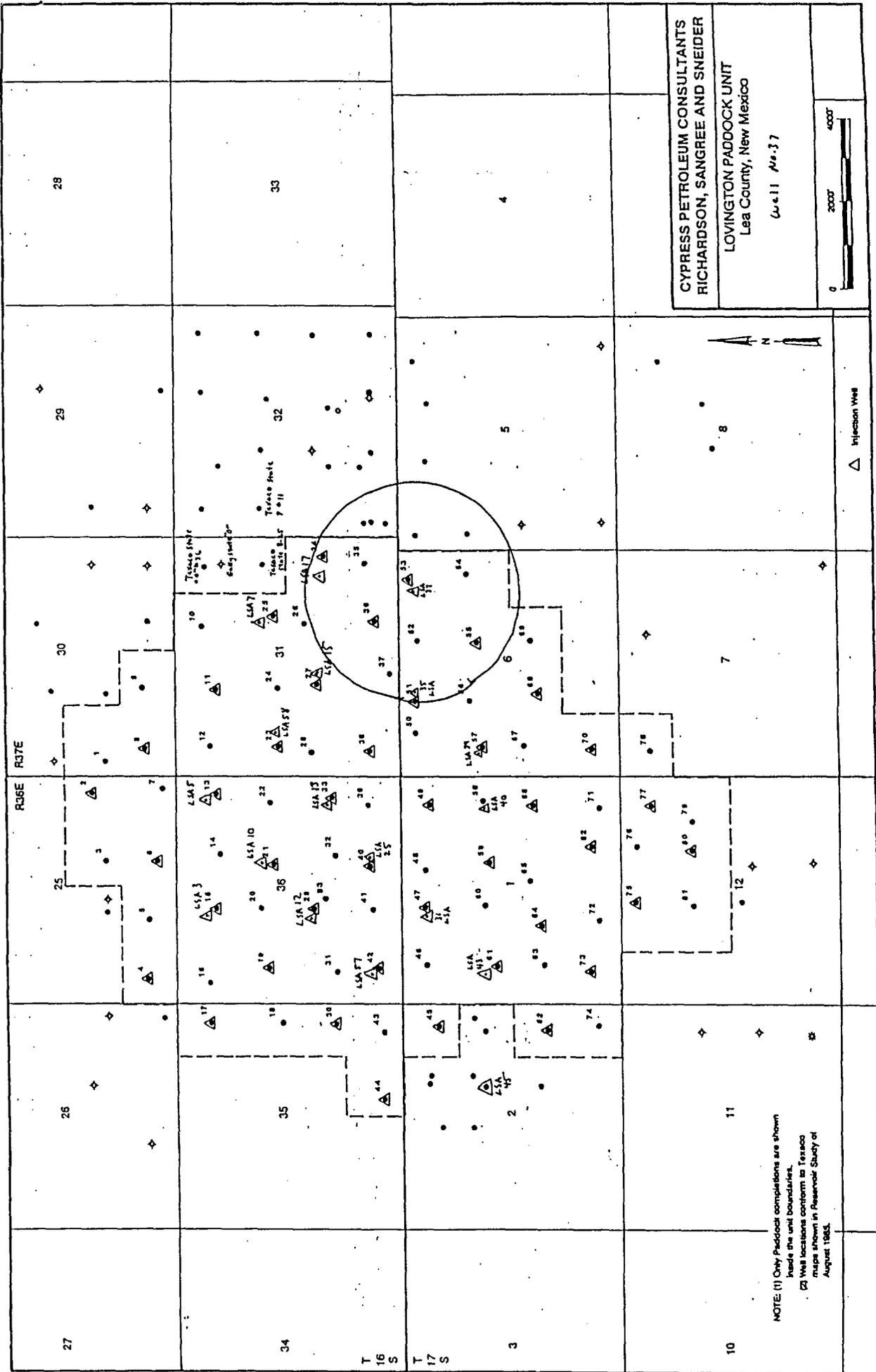
- Name of the injection formation San Andres
- Name of Field or Pool (If applicable) Lovington San Andres
- Is this a new well drilled for injection? No
If no, for what purpose was the well originally drilled? Production
- Has the well ever be perforated in any other zone(s)? List all such perforated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





CYPRESS PETROLEUM CONSULTANTS
 RICHARDSON, SANGREE AND SNEIDER
 LOVINGTON SAN ANDRES UNIT
 Lea County, New Mexico
 Well No. 37

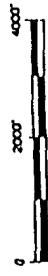
NOTE: (1) Only SA completions are shown inside the unit boundaries. (2) Well locations conform to Teraco maps shown in Reservoir Study of January 1966.



CYPRESS PETROLEUM CONSULTANTS
 RICHARDSON, SANGREE AND SNEIDER

LOVINGTON PADDOCK UNIT
 Lea County, New Mexico

Well No. 37



Injection Well

NOTE: (1) Only Paddock completions are shown inside the unit boundaries.
 (2) Well locations conform to Texaco maps shown in Reservoir Study of August 1965.

INJECTION WELL DATA SHEET

| | | | | |
|---|--|-----------|------------------|---------------|
| Greenhill Petroleum Corporation OPERATOR | Lovington San Andres Unit LEASE | | | |
| #43 WELL NO. | 1980 FNL & 660 FWL FOOTAGE LOCATION | 1 SEC. | T17S TOWNSHIP | R36E RANGE |

Tubular Data

Surface Casing

Size: 13" Cemented with 200 SX
 TOC: Surface feet determined by circulation
 Hole size: 17 1/2

Intermediate Casing

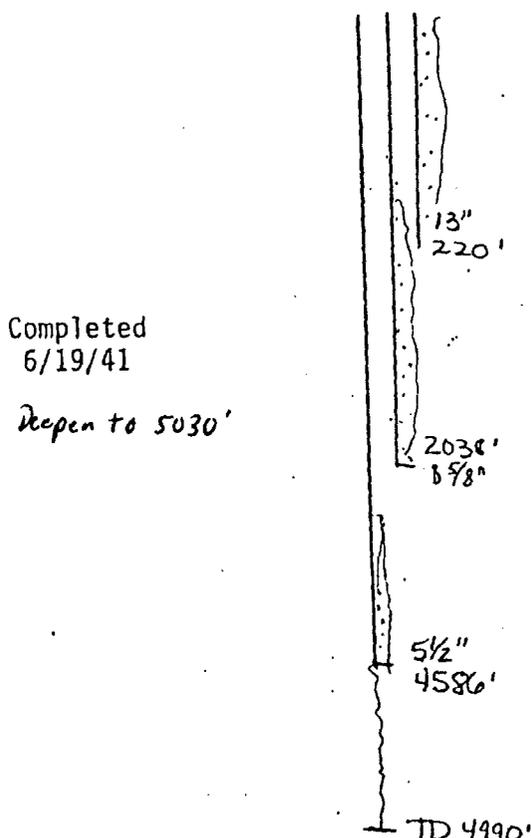
Size: 8 5/8" Cemented with 600 SX
 TOC: 199 feet determined by 50% calc
 Hole Size: 11"

Long String

Size: 5 1/2" Cemented with 350 SX
 TOC: 2679 feet determined by 80% calc
 Hole Size: 7 7/8"
 Total Depth: 4990'

Injection Interval

4546 feet to 5030 feet
 (perforated or open-hole, indicate which)

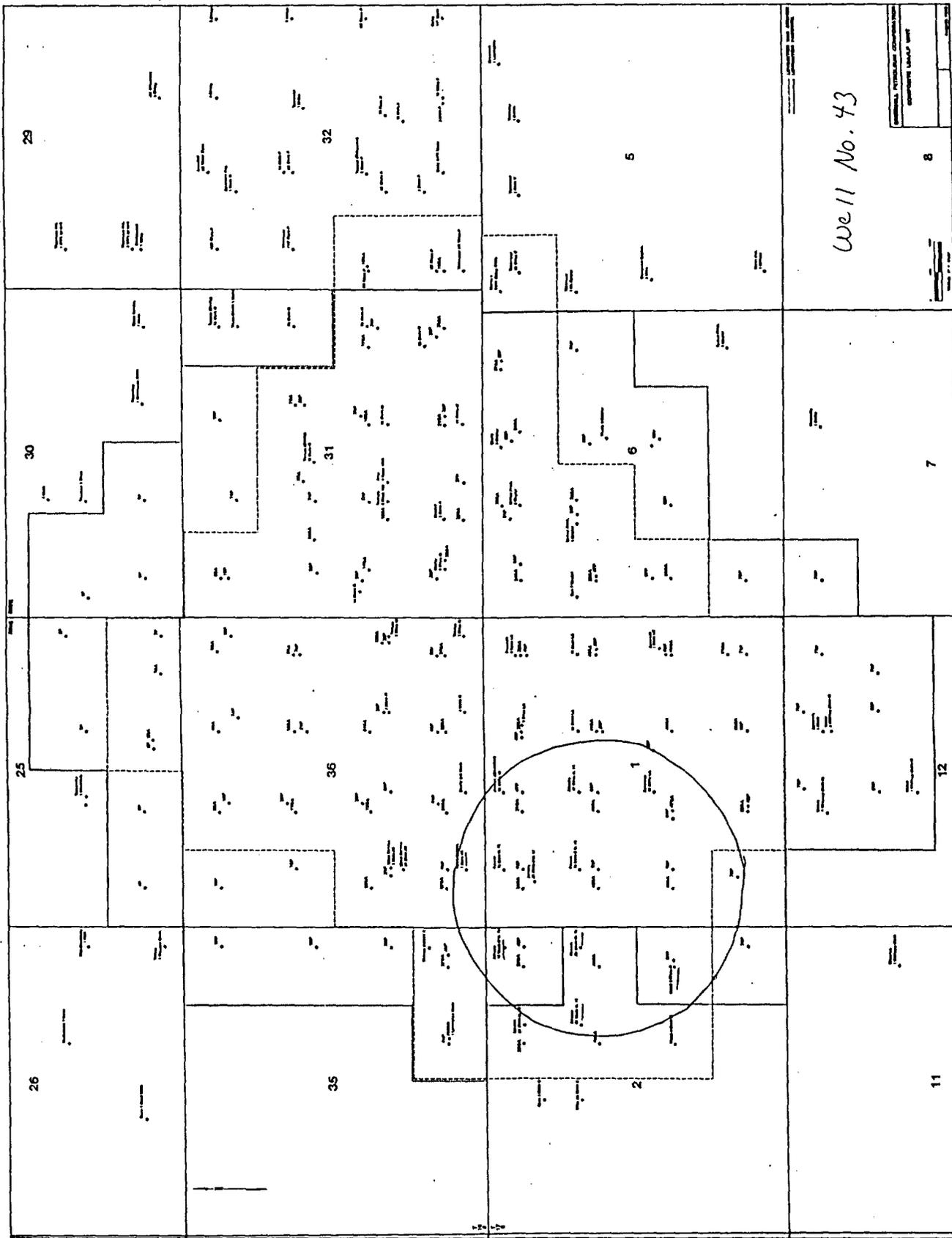


Completed
6/19/41
Deepen to 5030'

Tubing size 2 3/8 lined with IPC set in a
 (material)
 packer at 4536 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



Well No. 43

WELL LOCATION
 COMPANY NAME

8

7

12

11

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30

25

26

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31

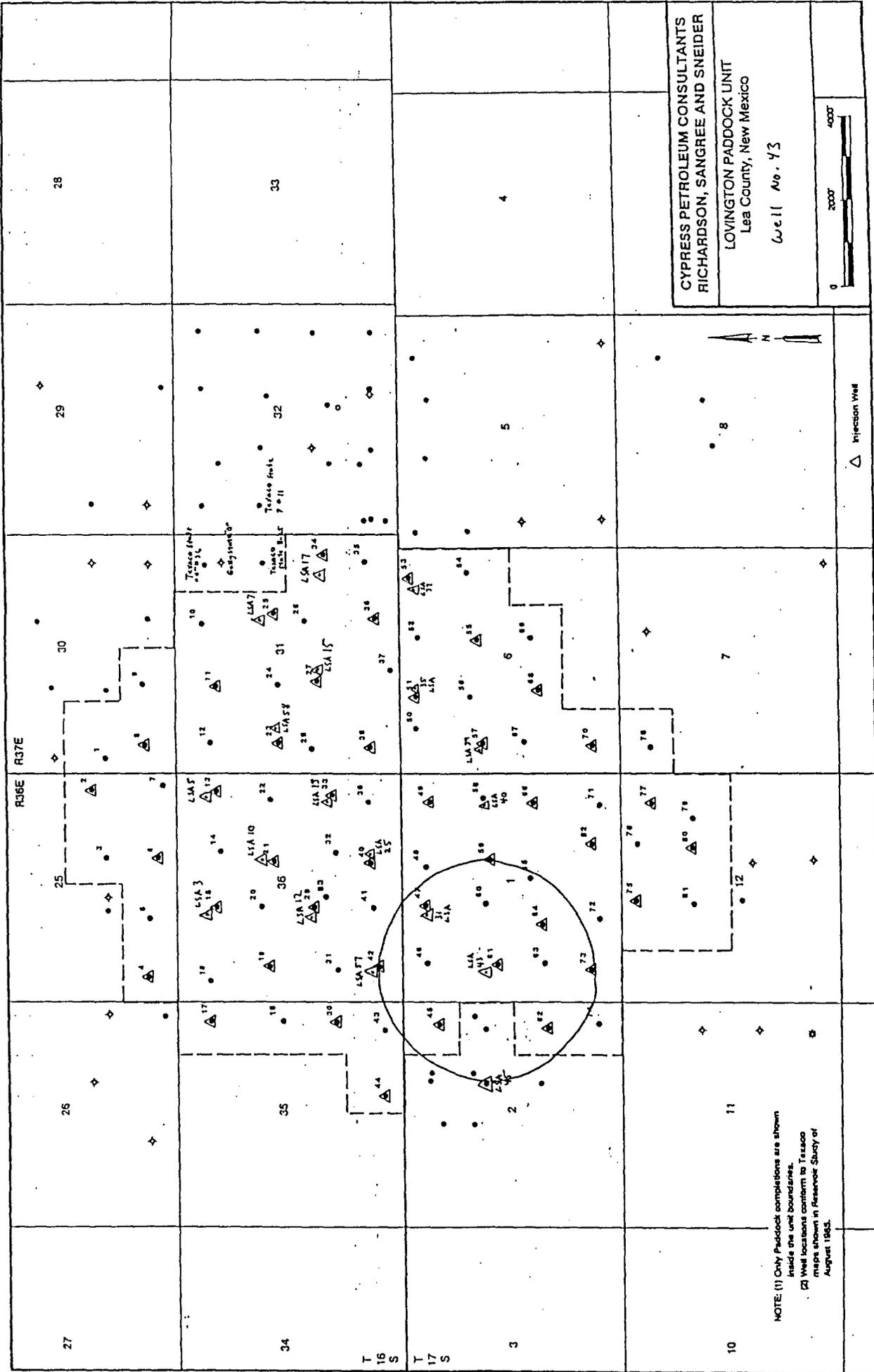
36

35

5

6

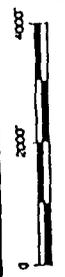
2



CYPRESS PETROLEUM CONSULTANTS
 RICHARDSON, SANGREE AND SNEIDER

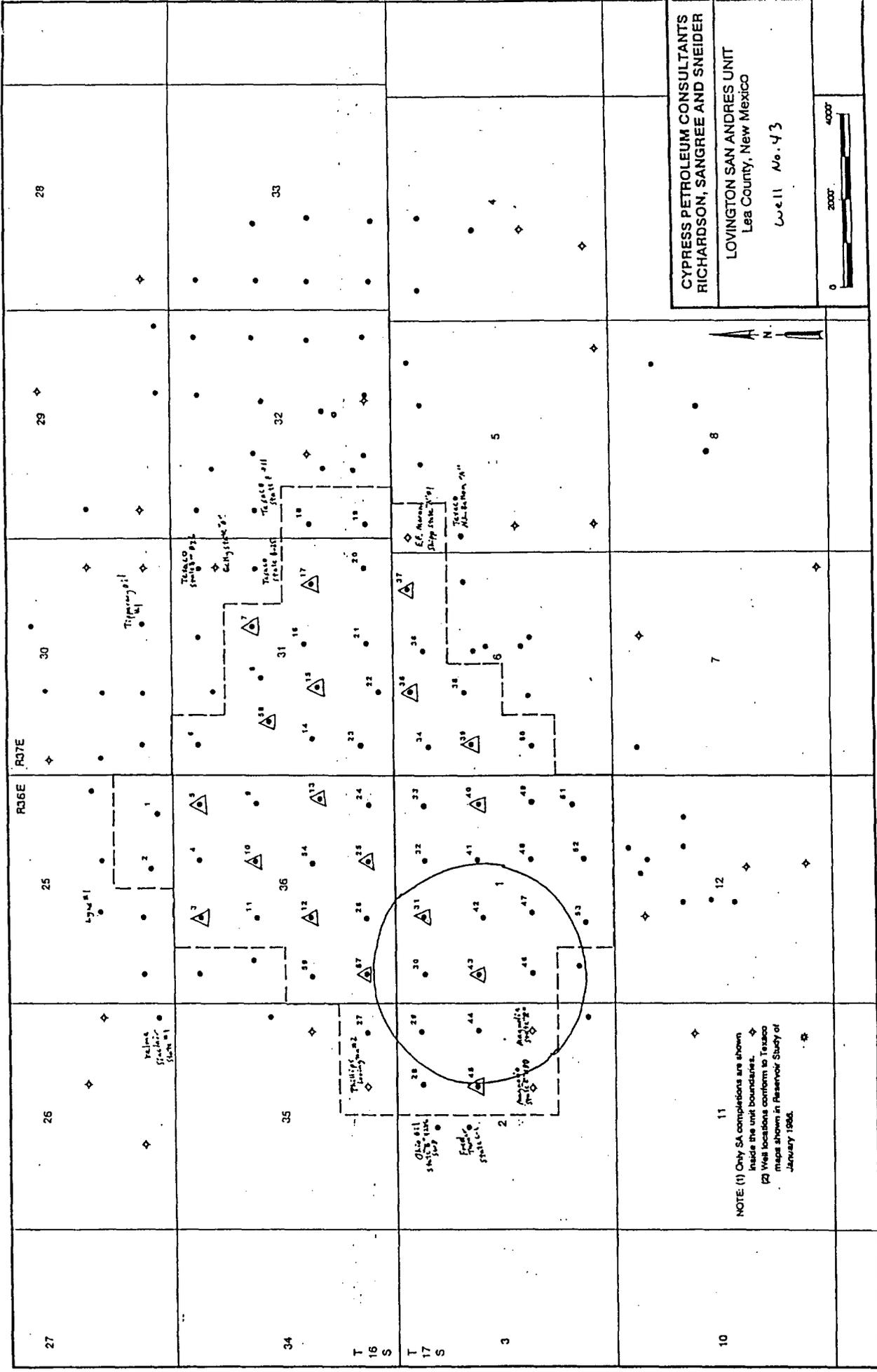
LOVINGTON PADDOCK UNIT
 Lea County, New Mexico

Well No. 43



NOTE: (1) Only Paddock completions are shown inside the unit boundaries.
 (2) Well locations conform to Texas maps shown in Reserve Study of August 1985.

△ Injection Well



CYPRESS PETROLEUM CONSULTANTS
 RICHARDSON, SANGREE AND SNEIDER
 LOVINGTON SAN ANDRES UNIT
 Lea County, New Mexico
 Well No. 43

NOTE: (1) Only SA completions are shown
 inside the unit boundaries.
 (2) Well locations conform to Texaco
 maps shown in Reservoir Study of
 January 1966.

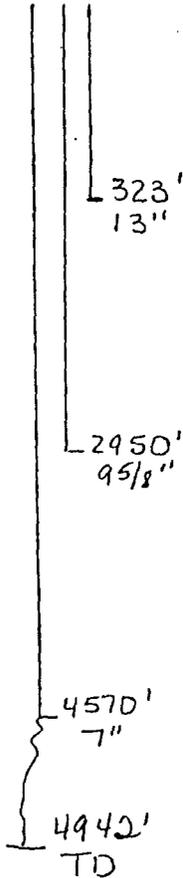
INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|----------------------|----------------------|----------|-------|
| Greenhill Petroleum Corporation | | Lovington San Andres | | |
| OPERATOR | | LEASE | | |
| #35 | 339' FNL & 1890' FWL | 6 | 17S | 37E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Completed
5-4-39

Deepen to 5040



Surface Casing

Size: 13 " Cemented with 200 SX

TOC: Surface feet determined by circ

Hole size: 17-1/4"

Intermediate Casing

Size: 9-5/8" Cemented with 400 SX

TOC: 1644 feet determined by calc

Hole Size: 12"

Long String

Size: 7 " Cemented with 300 SX

TOC: 1789 feet determined by calc

Hole Size: 8-3/4"

Total Depth: 4942'

Injection Interval

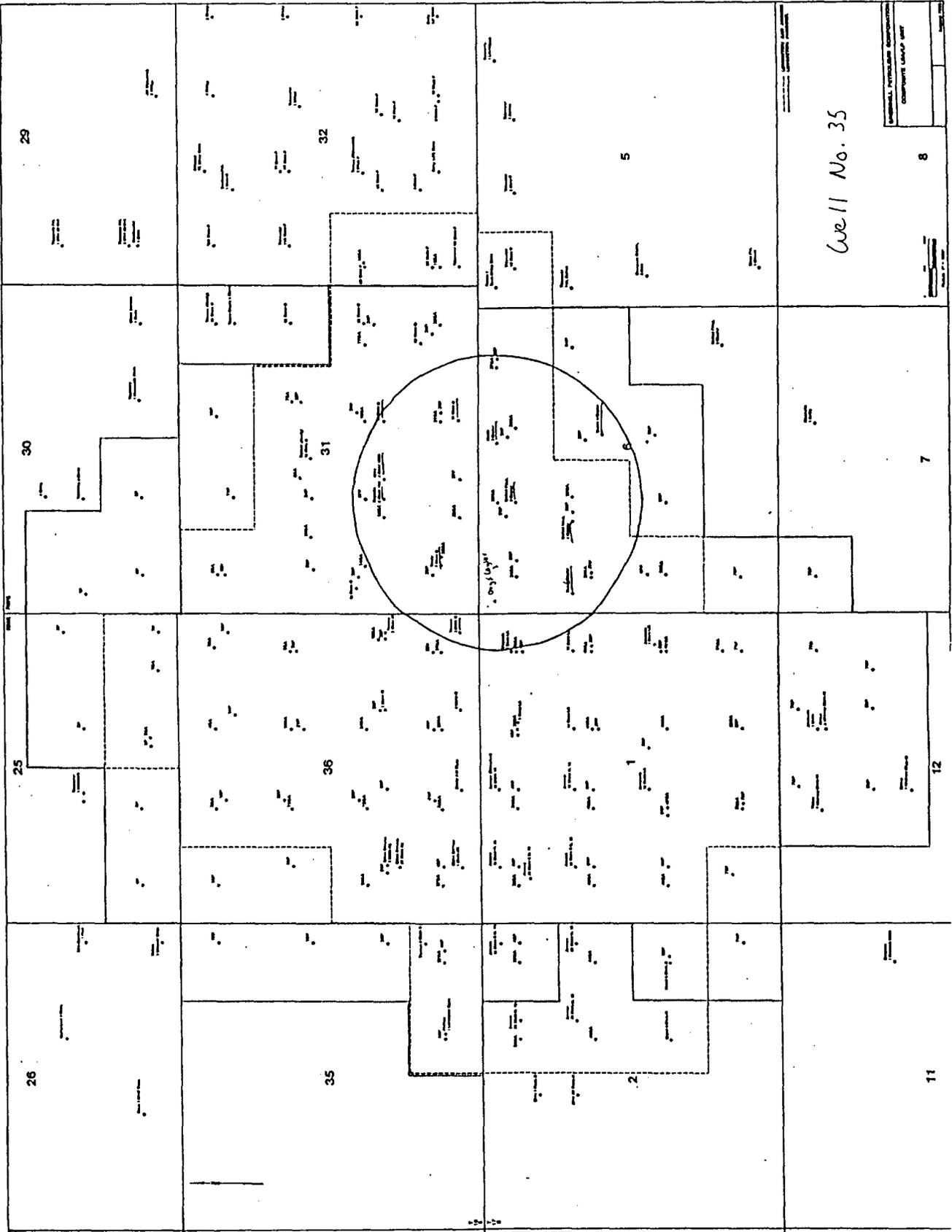
4570 — feet to 5040 — feet
(perforated or open-hole, indicate which)

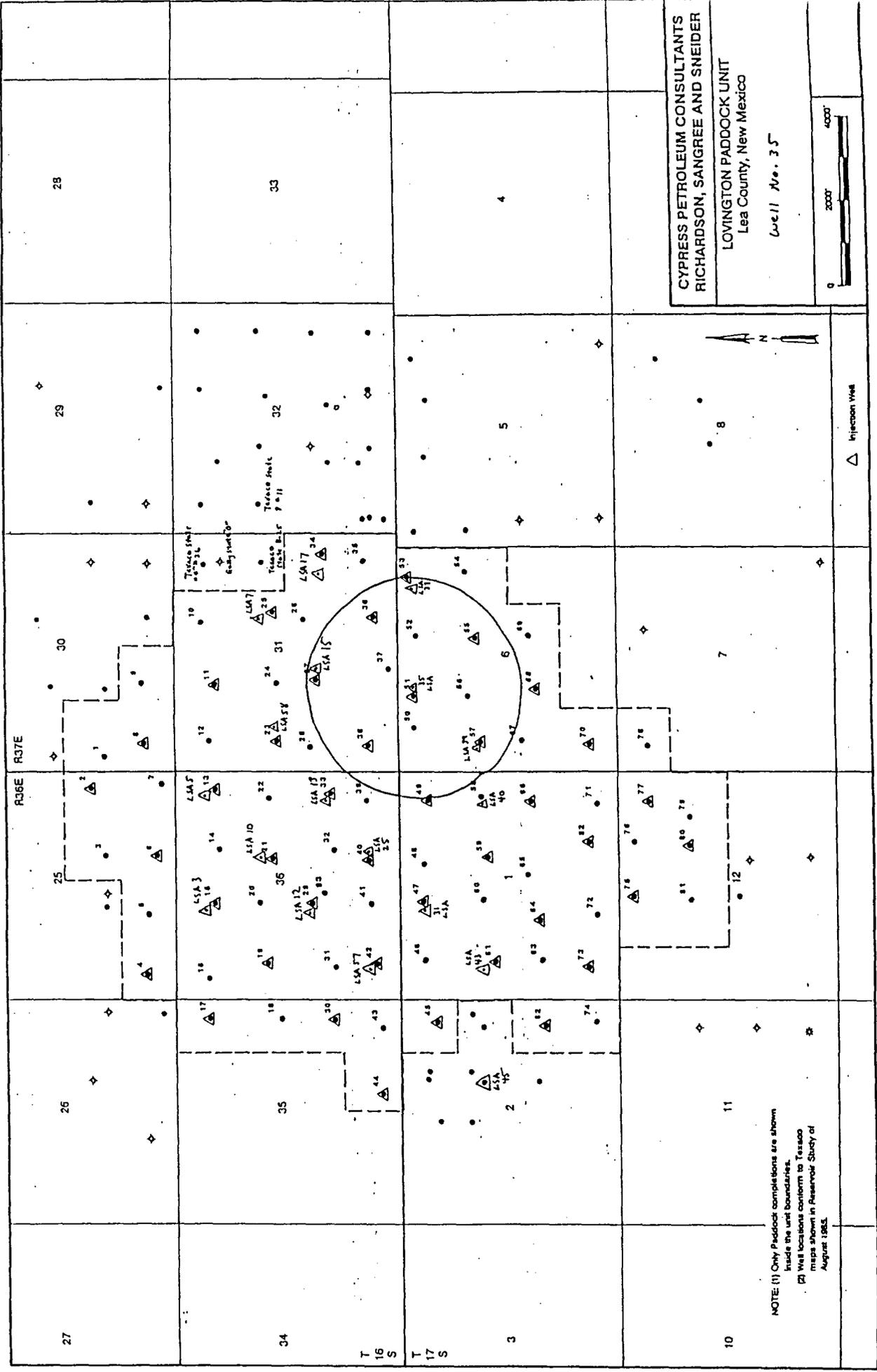
Tubing size 2 7/8 " — lined with IPC set in a
_____ (material)
_____ packer at _____ 4520 feet.
(brand & model)

(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





CYPRESS PETROLEUM CONSULTANTS
 RICHARDSON, SANGREE AND SNEIDER
 LOVINGTON PADDOCK UNIT
 Lea County, New Mexico
 Well No. 35

NOTE: (1) Only Paddock completions are shown
 inside the unit boundaries.
 (2) Well locations conform to Texasco
 maps shown in Reservoir Study of
 August 1965.

△ Injection Well

INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|--------------------|---------------------------|----------|-------|
| Greenhill Petroleum Corporation | | Lovington San Andres Unit | | |
| OPERATOR | | LEASE | | |
| #39 | 1985 FNL & 610 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: 15"

Intermediate Casing

Size: 9 5/8 " Cemented with 500 SX

TOC: 1506 feet determined by 50% calc

Hole Size: 12"

Long String

Size: 7 " Cemented with 200 SX

TOC: 3265 feet determined by 80% calc

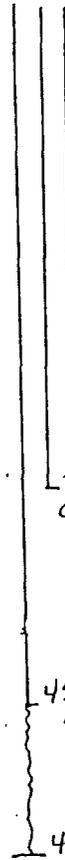
Hole Size: 8 3/4"

Total Depth: 4945'

Injection Interval

4522 feet to 4975 feet
(perforated or open-hole, indicate which)

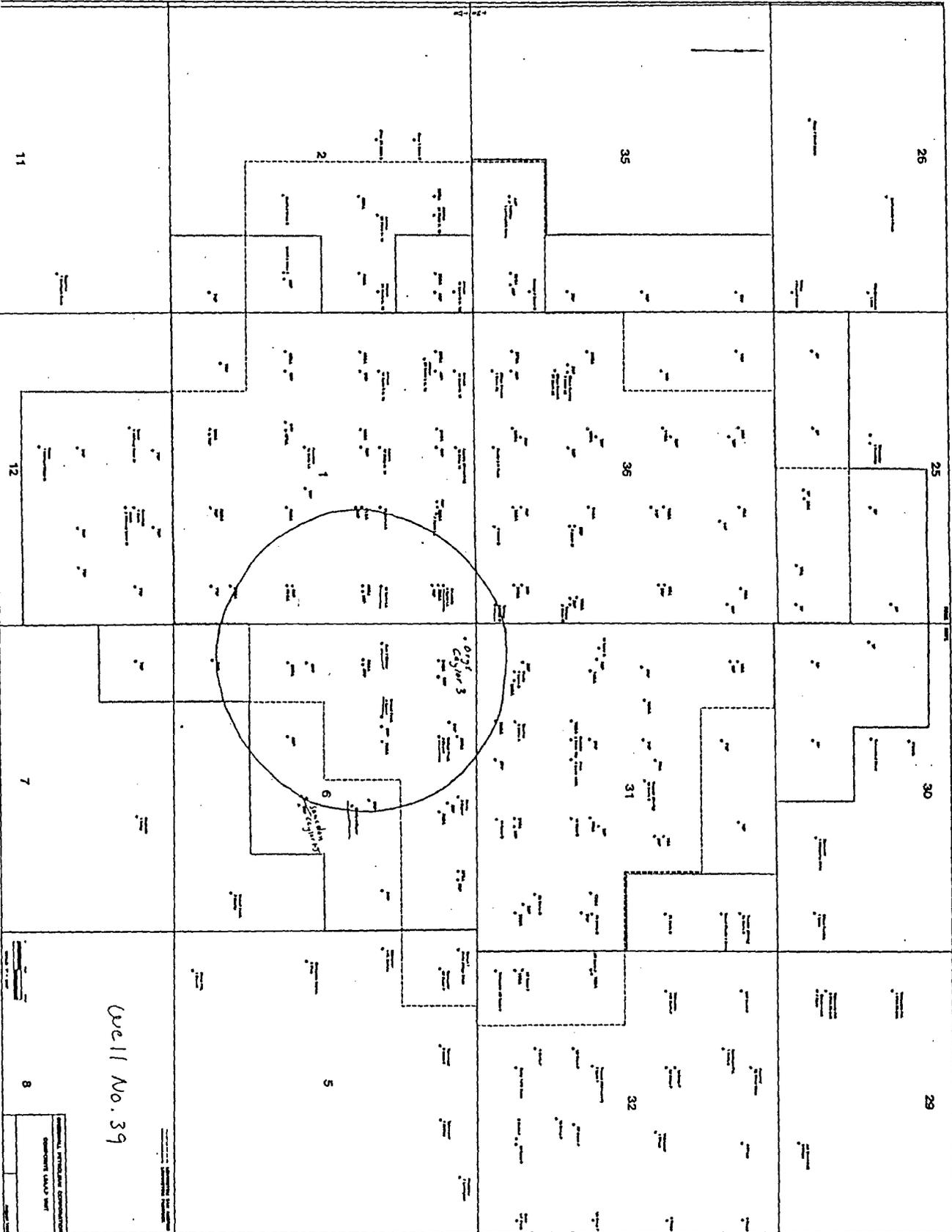
Completed
10/28/39



Tubing size 2 3/8 lined with IPC (material) set in a
4570 packer at 4570 feet.
 (brand & model)
 (or describe any other casing-tubing seal).

Other Data

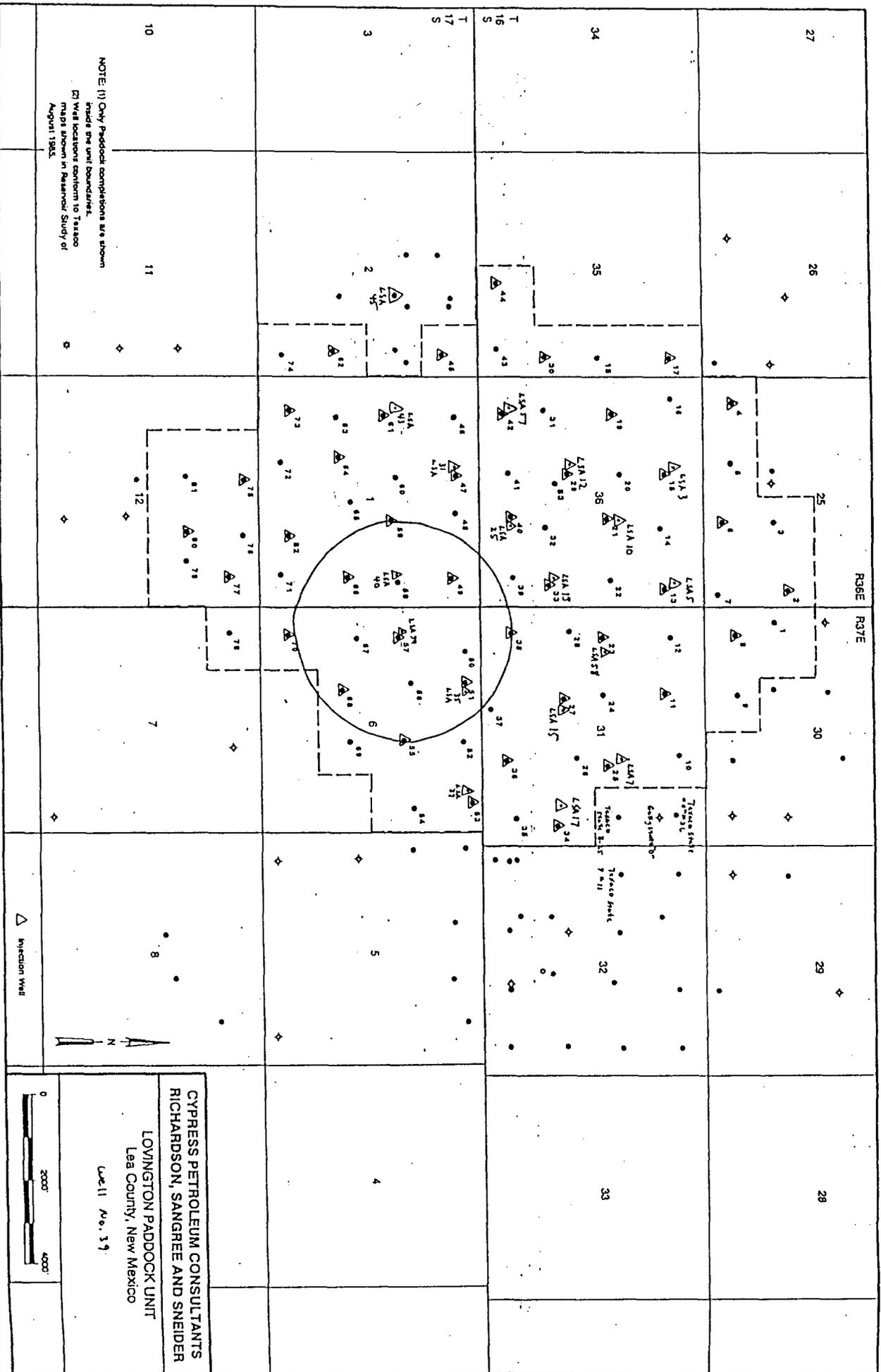
- Name of the injection formation San Andres
- Name of Field or Pool (If applicable) Lovington San Andres
- Is this a new well drilled for injection? No
 If no, for what purpose was the well originally drilled? Production
- Has the well ever be perforated in any other zone(s)? List all such perforated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



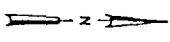
Well No. 39

8

GENERAL ENGINEERING CORPORATION
 ENGINEERS, SAN ANTONIO, TEXAS



NOTE: (1) OHV Paddock completions are shown inside the unit boundaries.
 (2) Well locations conform to Tesaco maps shown in Research Study of August 1985.



CYPRESS PETROLEUM CONSULTANTS
 RICHARDSON, SANGREE AND SNEIDER
 LOVINGTON PADDOCK UNIT
 Lea County, New Mexico
 Well No. 39

INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|--------------------|---------------------------|----------|-------|
| Greenhill Petroleum Corporation | | Lovington San Andres Unit | | |
| OPERATOR | | LEASE | | |
| #40 | 1980 FNL & 660 FEL | 1 | T17S | R36E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Surface Casing

Size: 13 " Cemented with 100 SX
 TOC: Surface feet determined by circulation
 Hole size: 17 1/4"

Intermediate Casing

Size: 8 5/8" Cemented with 600 SX
 TOC: 1050 feet determined by calc 50%
 Hole Size: 11"

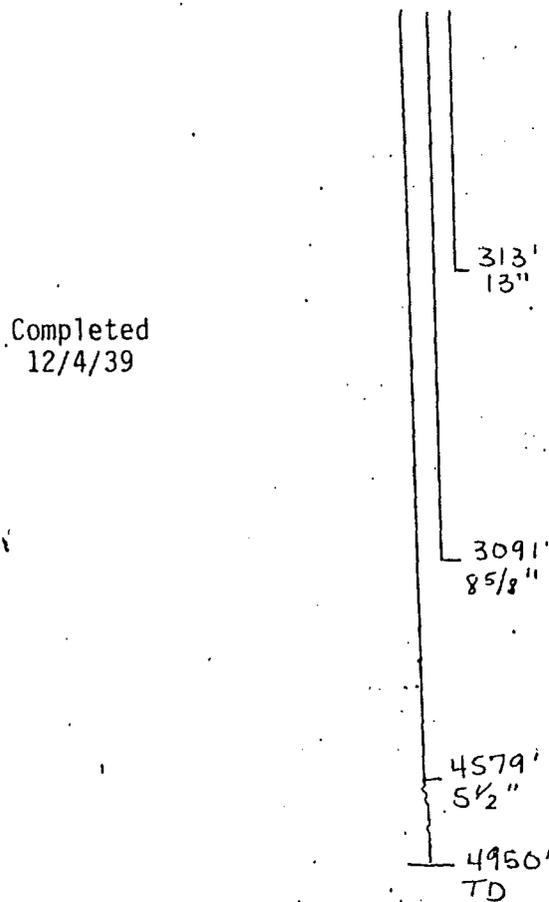
Long String

Size: 5 1/2" Cemented with 300 SX
 TOC: 3680 feet determined by calc 80%
 Hole Size: 7 7/8"

Total Depth: 4950'

Injection Interval

4579 — feet to 4950 — feet
 (perforated or open-hole, indicate which)

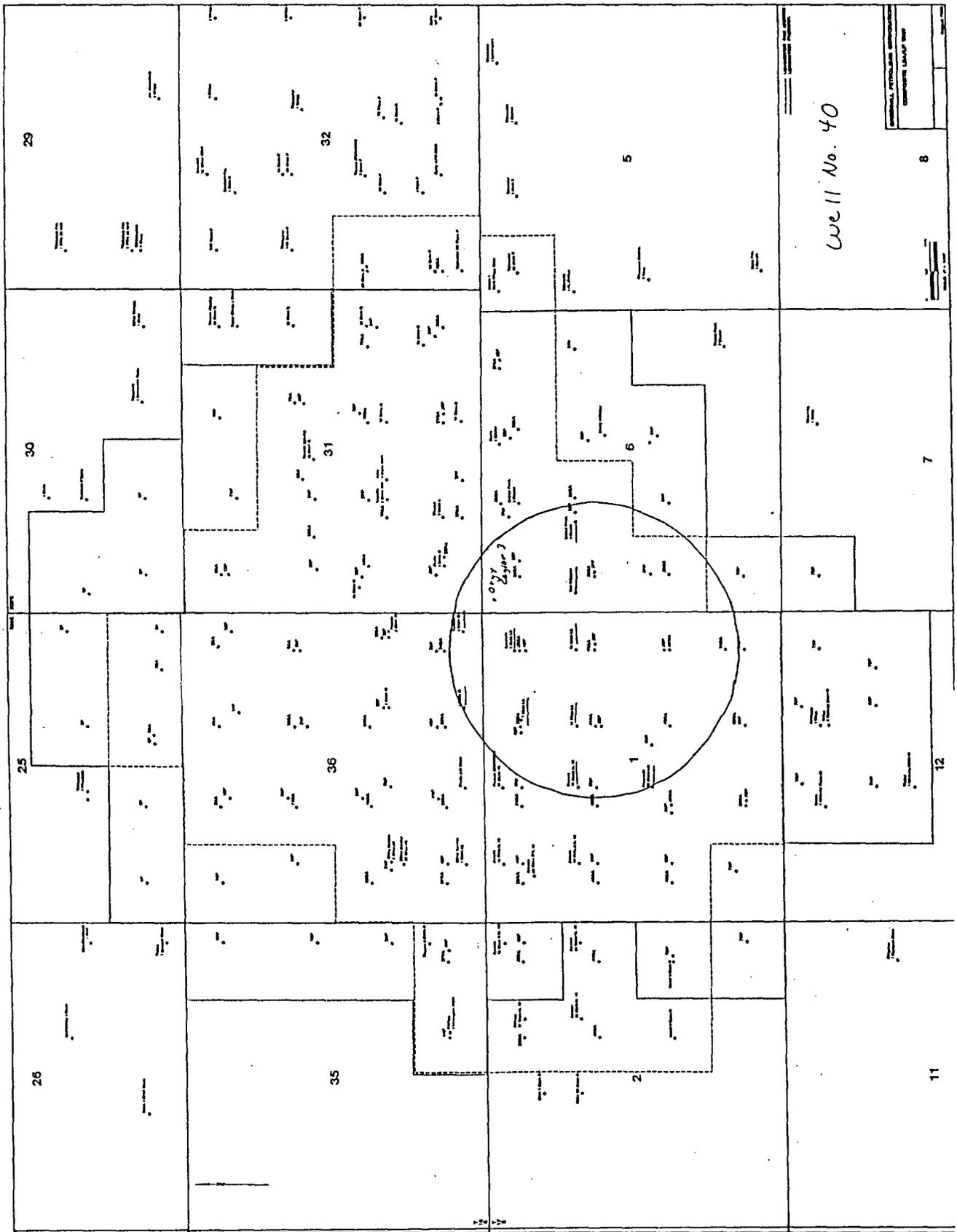


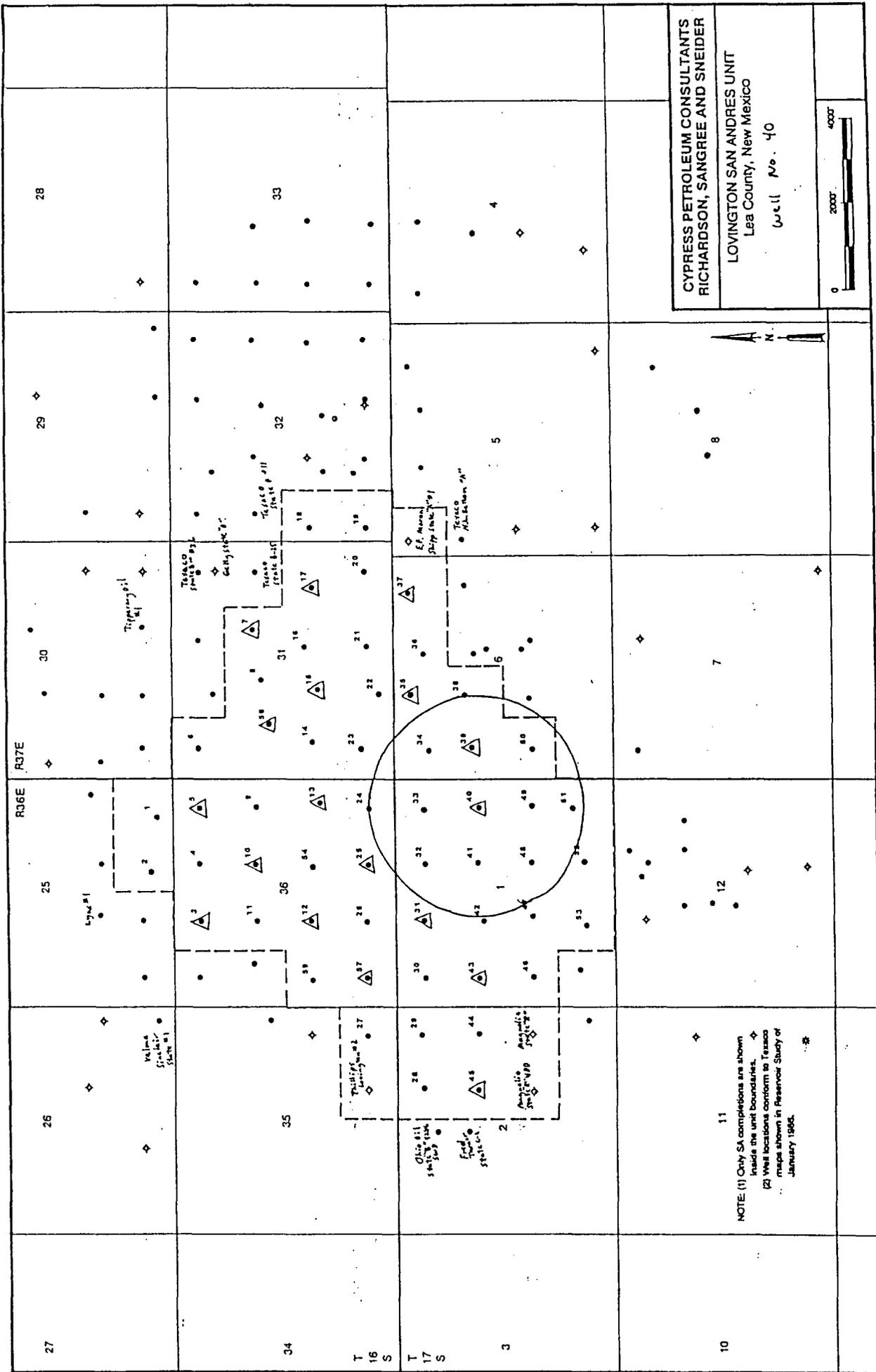
Completed
12/4/39

Tubing size 2 3/8 lined with IPC (material) set in a
4519 packer at 4519 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





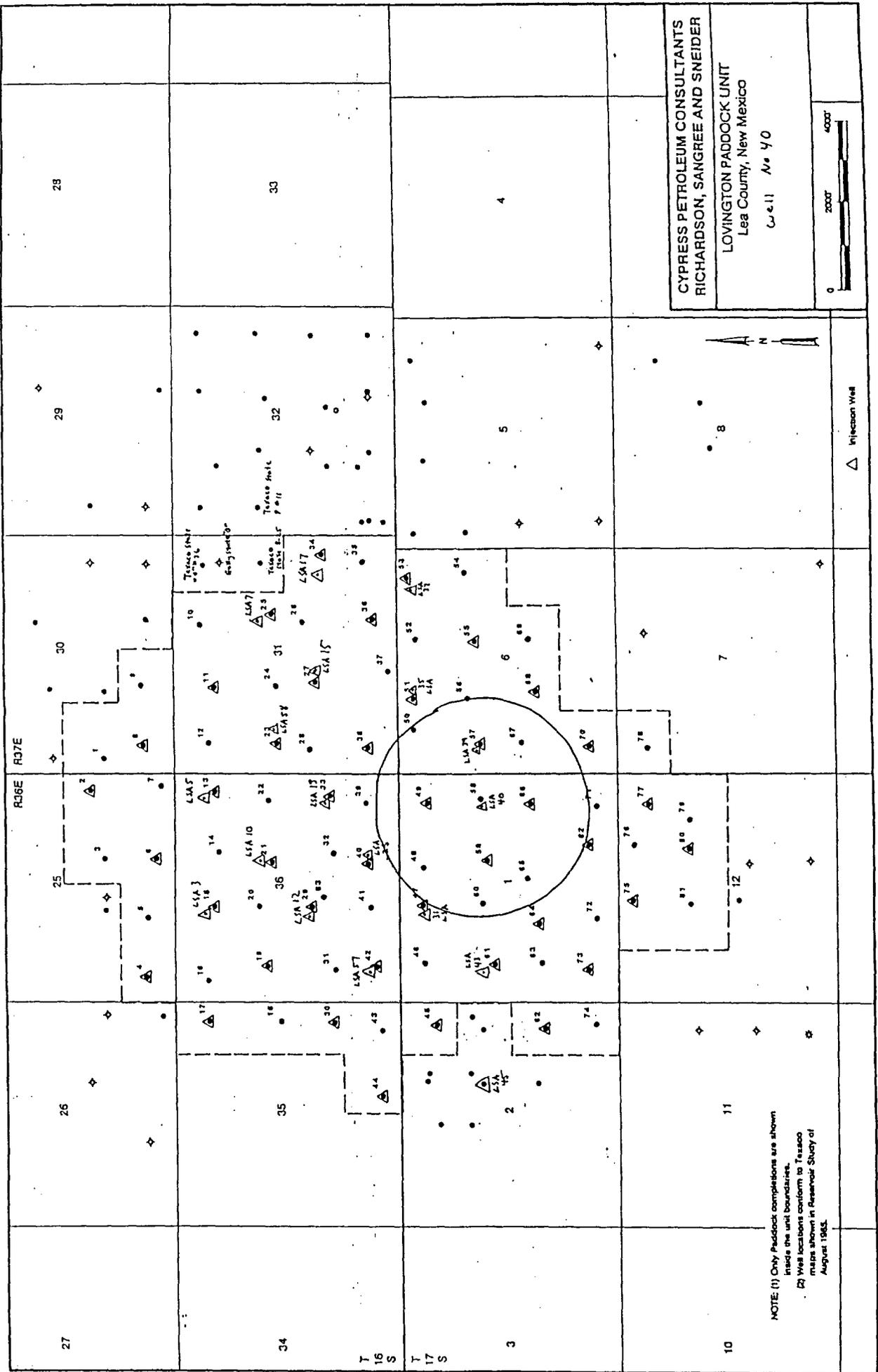
CYPRESS PETROLEUM CONSULTANTS
 RICHARDSON, SANGREE AND SNEIDER

LOVINGTON SAN ANDRES UNIT
 Lea County, New Mexico

Well No. 40

0 2000' 4000'

NOTE: (1) Only SA completions are shown inside the unit boundaries.
 (2) Well locations conform to Texas maps shown in Reservoir Study of January 1966.



CYPRESS PETROLEUM CONSULTANTS
 RICHARDSON, SANGREE AND SNEIDER
 LOVINGTON PADDOCK UNIT
 Lea County, New Mexico
 Well No 40

NOTE: (1) Only Paddock completions are shown inside the well boundaries.
 (2) Well locations conform to Texas maps shown in Reservoir Study of August 1965.

Injection Well

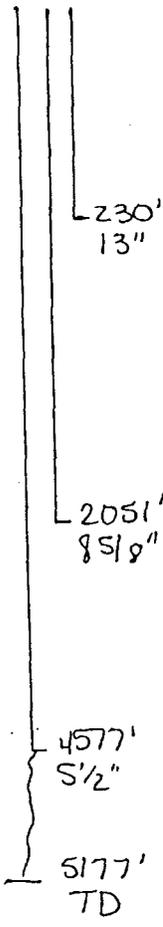


INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|-----------------------|----------------------|----------|-------|
| Greenhill Petroleum Corporation | | Lovington San Andres | | |
| OPERATOR | | LEASE | | |
| #45 | 1980' FNL & 1980' FEL | 2 | 17S | 36E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Completed
5-26-43



Surface Casing

Size: 13 " Cemented with 175 SX

TOC: Surface feet determined by circ

Hole size: 17"

Intermediate Casing

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

TOC: 213 feet determined by calc

Hole Size: 11"

Long String

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

TOC: 2396 feet determined by calc

Hole Size: 7-7/8"

Total Depth: 5147'

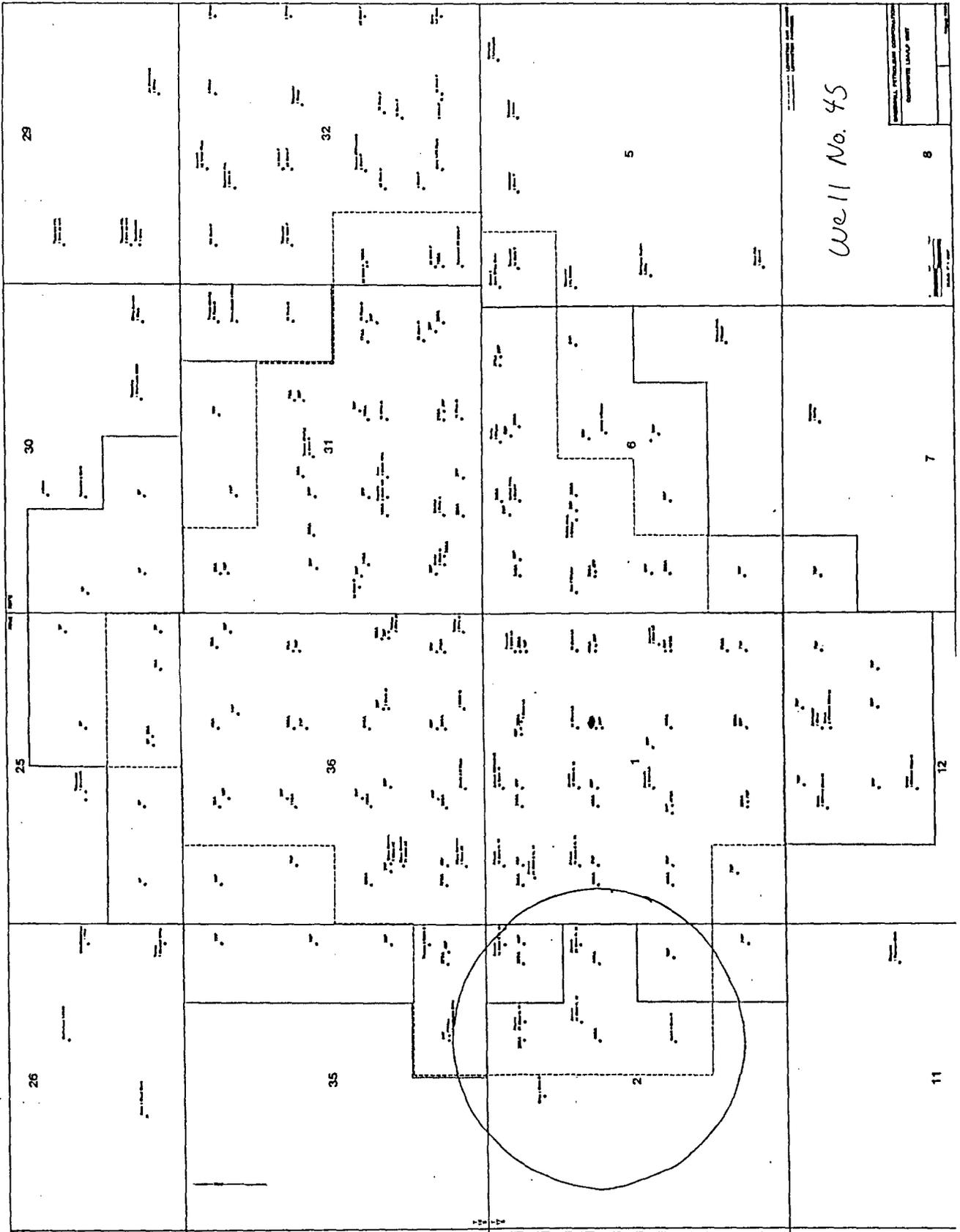
Injection Interval

4577 feet to 5147 feet
(perforated or open-hole, indicate which)

Tubing size 2 3/8 - lined with IPC set in a
(material)
packer at 4527 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



Well No. 45

GENERAL INFORMATION CONCERNING
 SURFACE RIGHTS

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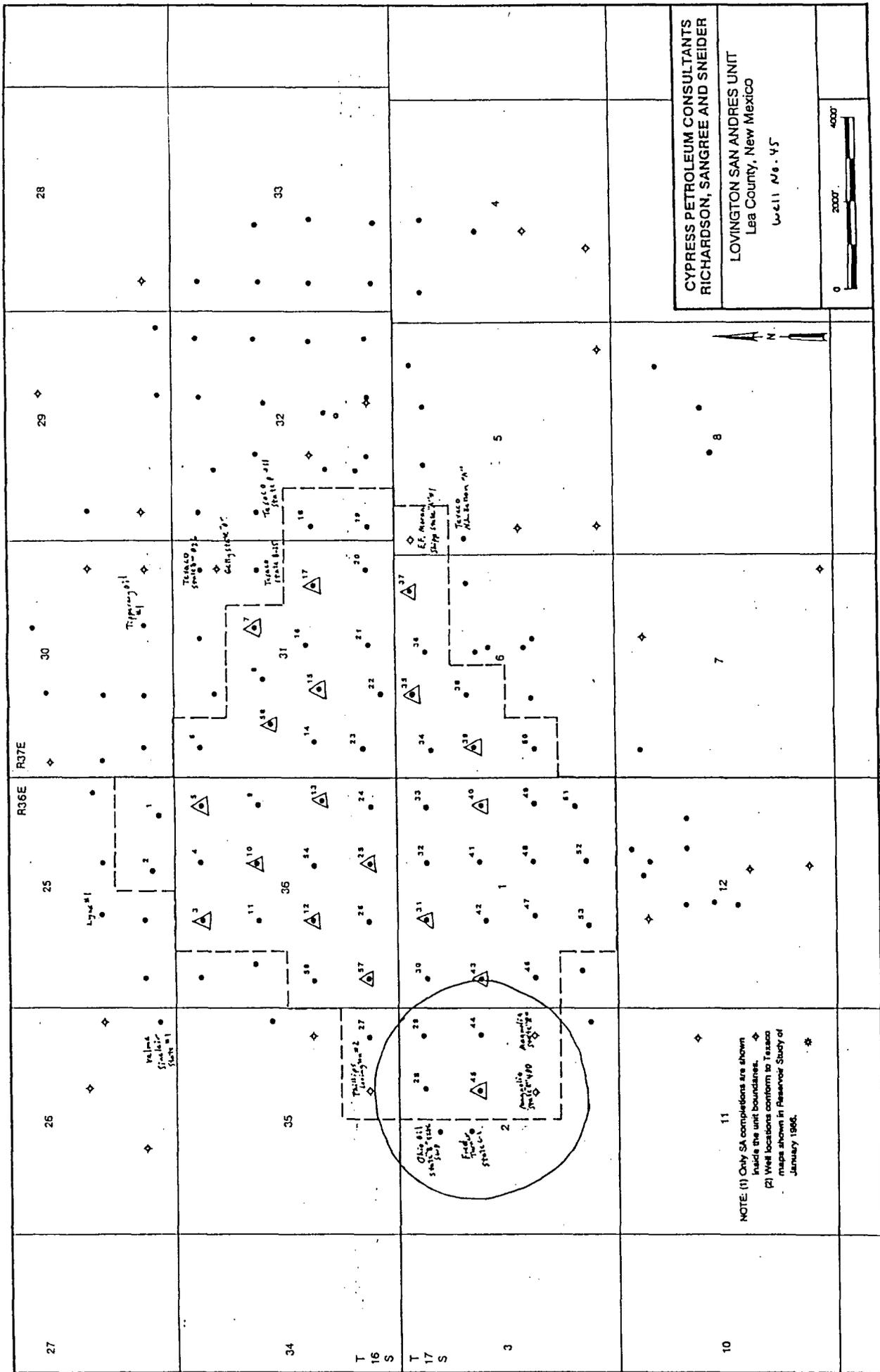
35

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7

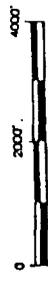
2



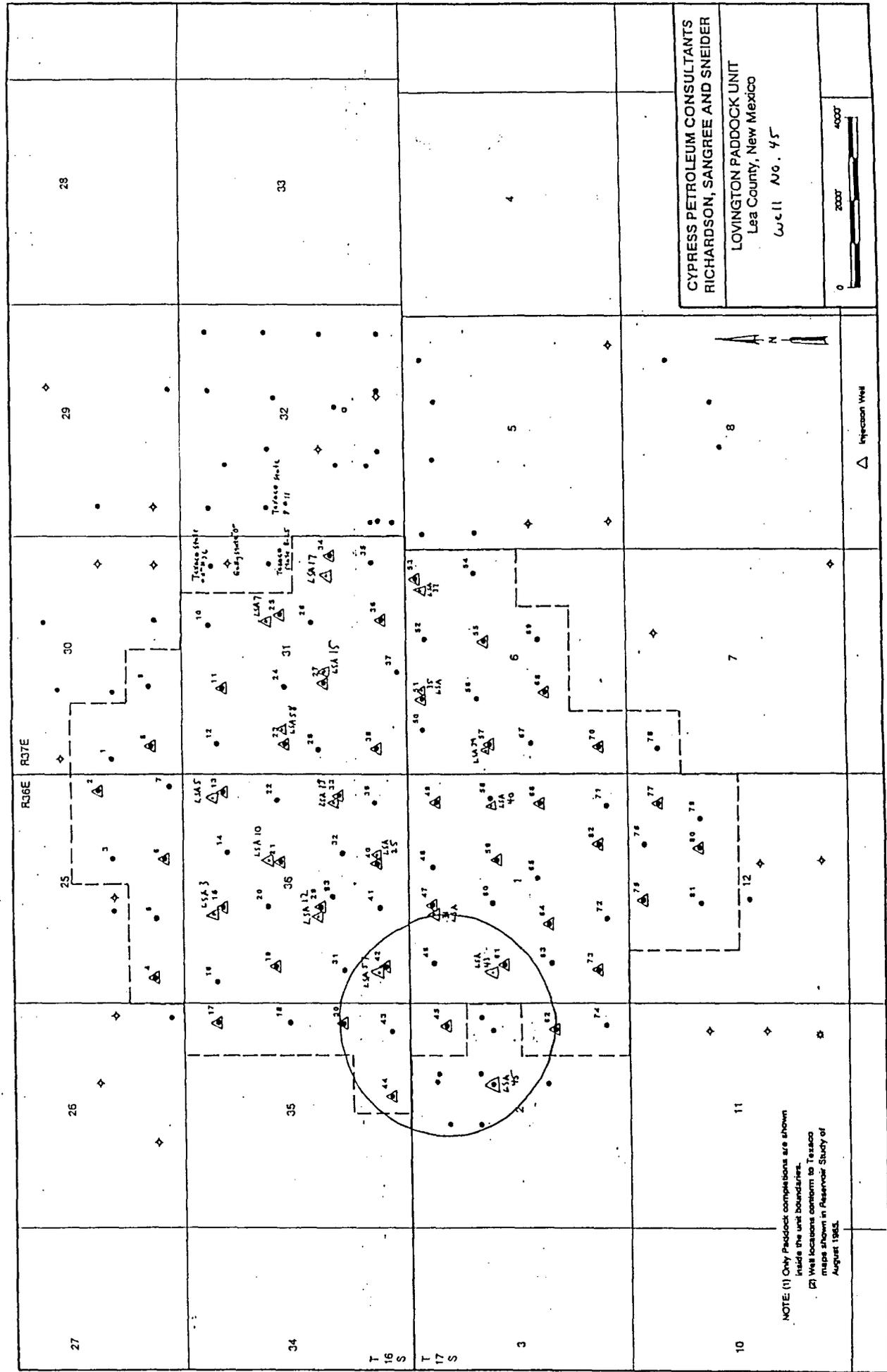
CYPRESS PETROLEUM CONSULTANTS
 RICHARDSON, SANGREE AND SNEIDER

LOVINGTON SAN ANDRES UNIT
 Lea County, New Mexico

W-411 N-8-45



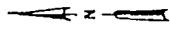
11
 NOTE: (1) Only SA completions are shown
 inside the unit boundaries. ◊
 (2) Well locations conform to Texas
 maps shown in Reservoir Study of
 January 1965. *



CYPRESS PETROLEUM CONSULTANTS
 RICHARDSON, SANGREE AND SNEIDER
 LOVINGTON PADDOCK UNIT
 Lea County, New Mexico
 Well No. 45

NOTE: (1) Only Paddock completions are shown
 inside the unit boundaries.
 (2) Well locations conform to Texas
 maps shown in Reservoir Study of
 August 1962.

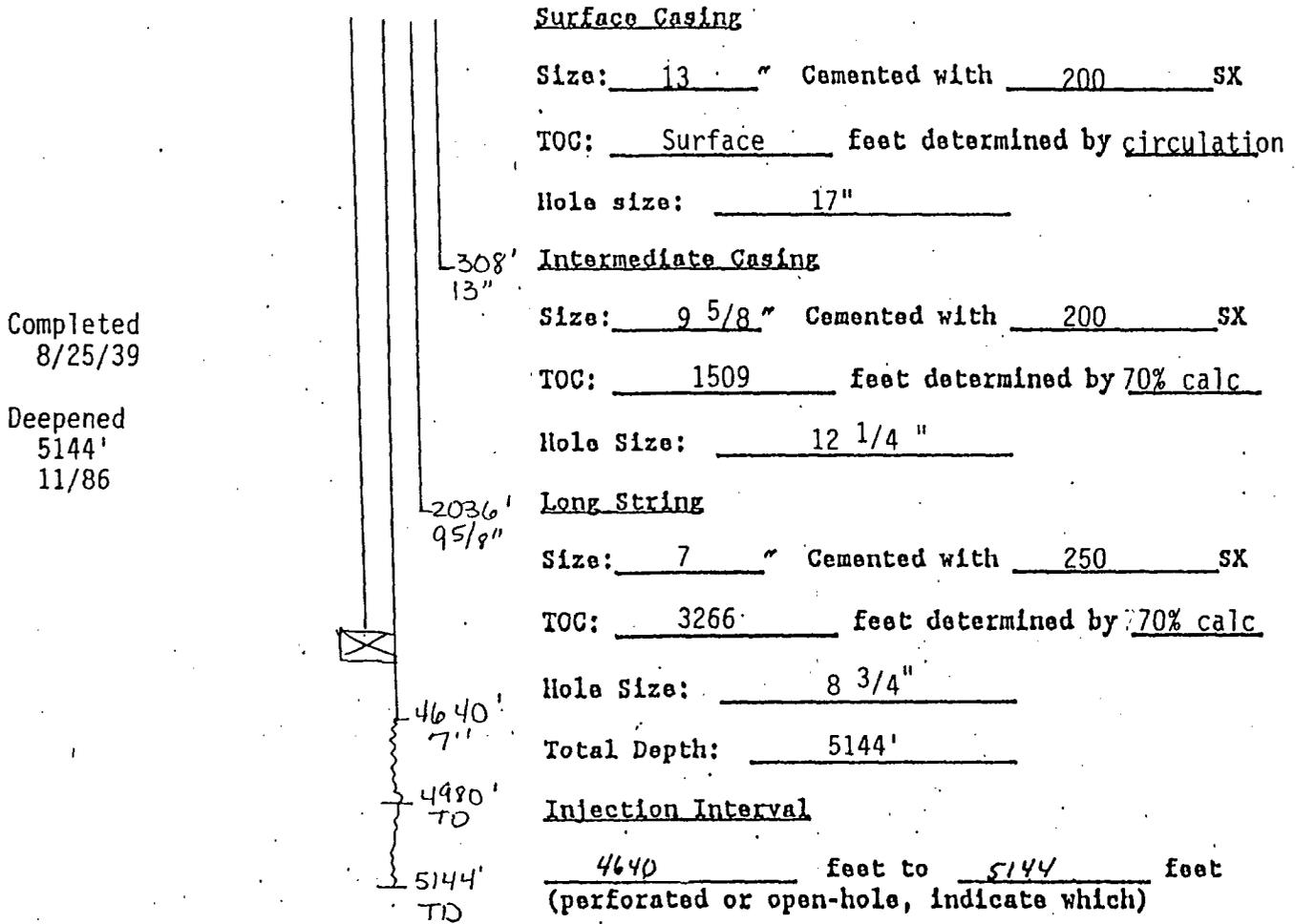
△ Injection Well



INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|-------------------|---------------------------|----------|-------|
| Greenhill Petroleum Corporation | | Lovington San Andres Unit | | |
| OPERATOR | | LEASE | | |
| #57 | 660 FSL & 660 FWL | 36 | T16S | R36E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

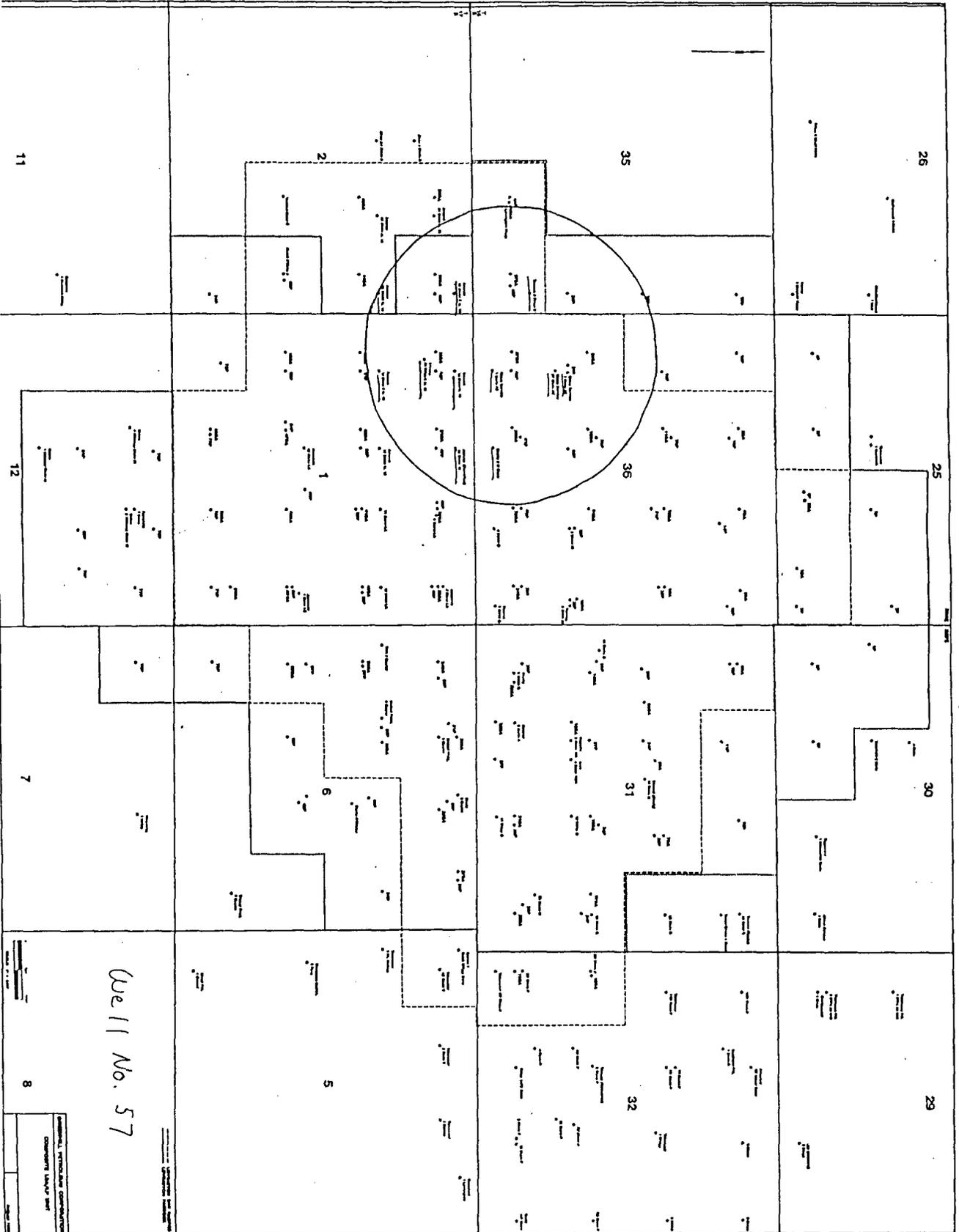
Tubular Data



Tubing size 2 3/8 lined with _____ IPC set in a _____ (material) _____ packer at 4620 feet. waterflood tension (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



Well No. 57

8

12

11

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25

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36

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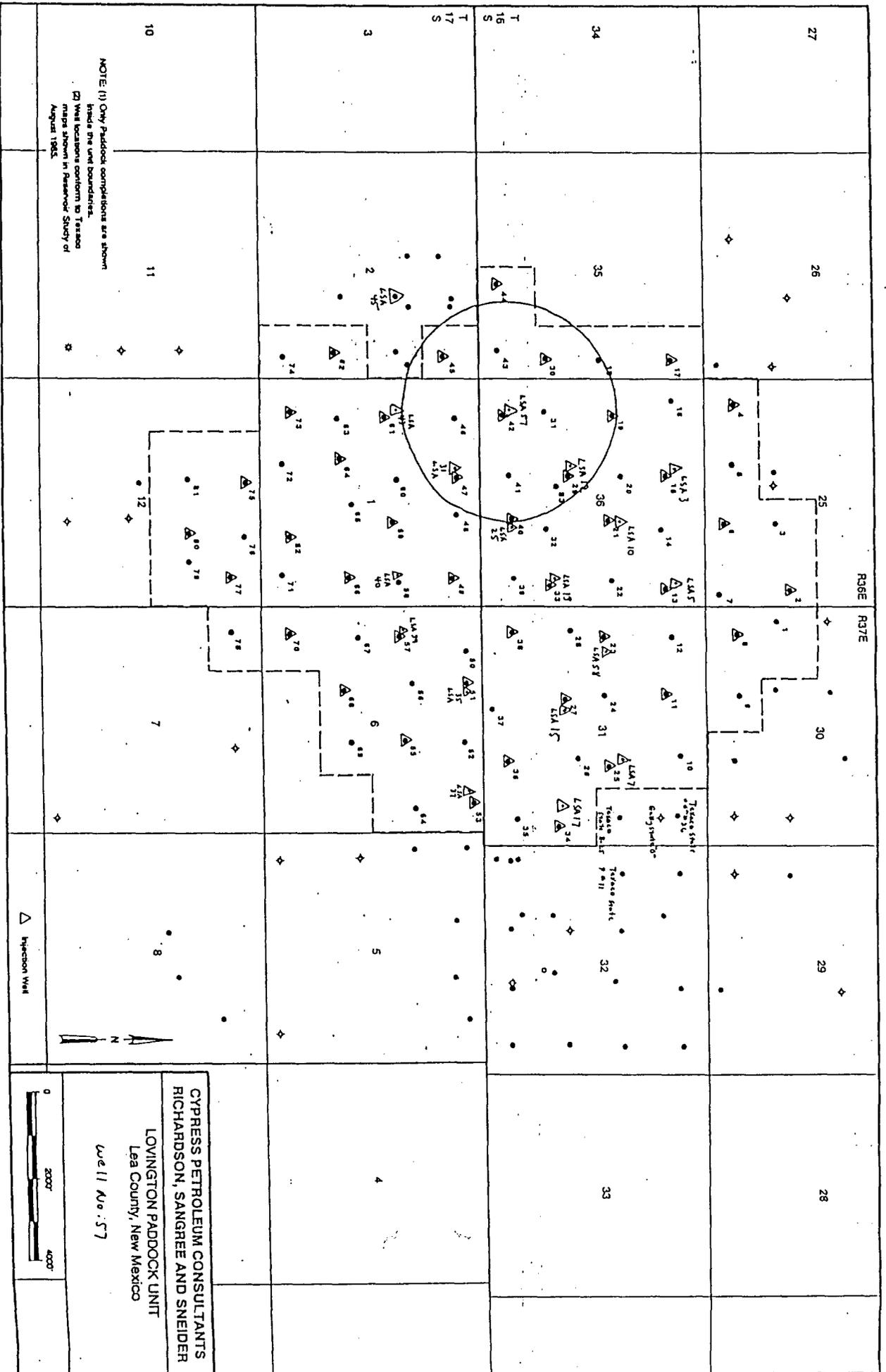
2

1

6

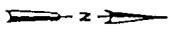
5

7

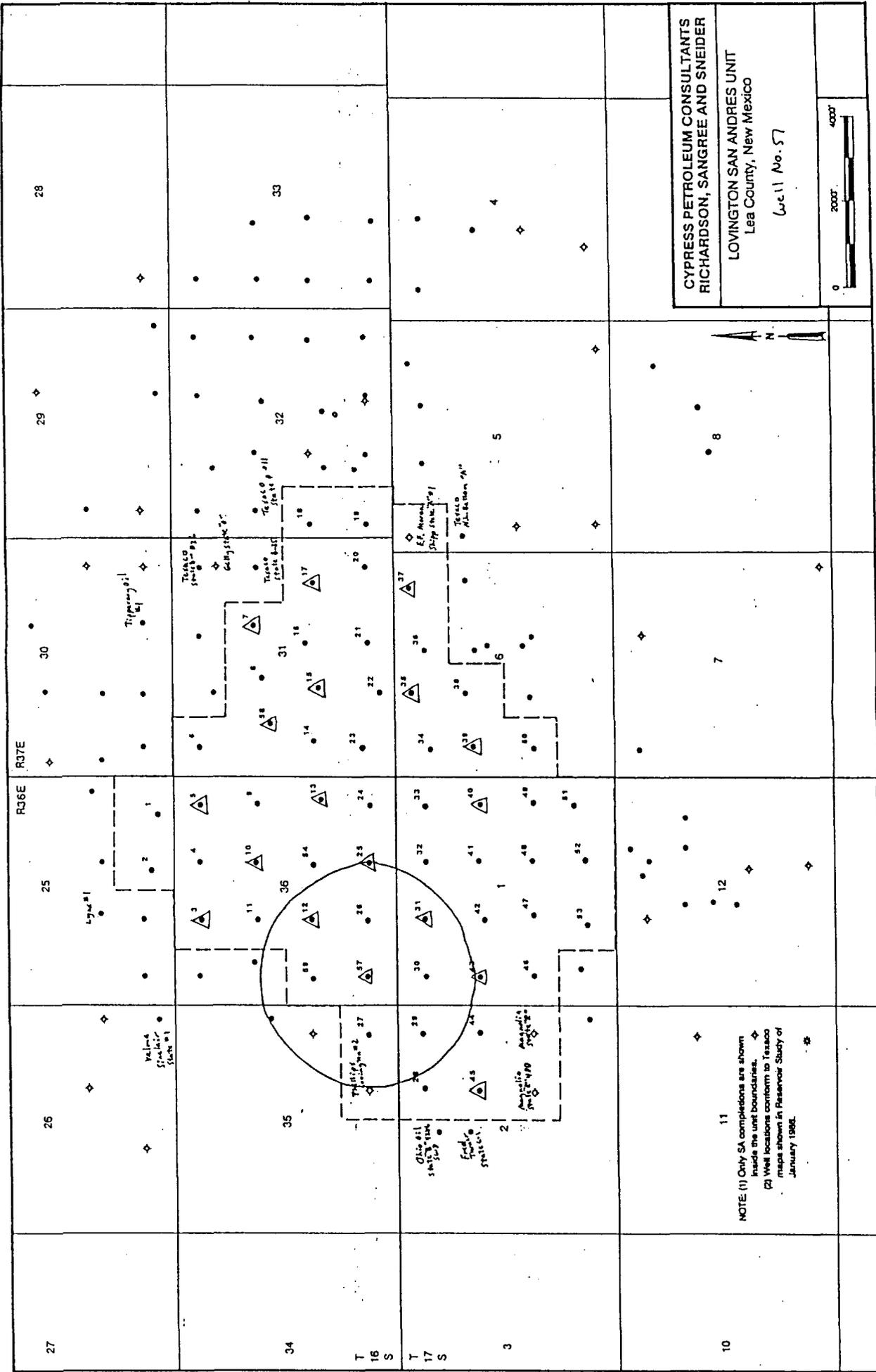


NOTE (1) Only Paddock completions are shown inside the unit boundaries.
 (2) Well locations conform to Texas maps shown in Pasadena Study of August 1965.

△ Injection Well



CYPRESS PETROLEUM CONSULTANTS
 RICHARDSON, SANGREE AND SNEIDER
 LOVINGTON PADDOCK UNIT
 Lea County, New Mexico
 Well No. 57



CYPRESS PETROLEUM CONSULTANTS
 RICHARDSON, SANGREE AND SNEIDER

LOVINGTON SAN ANDRES UNIT
 Lea County, New Mexico

Well No. 57



NOTE (1) Only SA completions are shown inside the unit boundaries. (2) Well locations conform to Tusaco maps shown in Reservoir Study of January 1968.

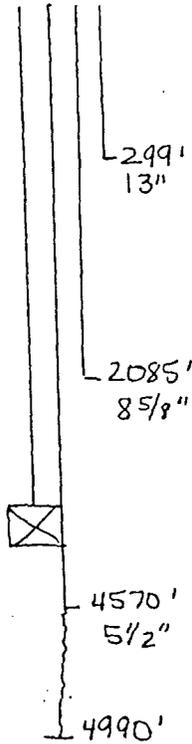
INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|-----------------------|----------------------|----------|-------|
| Greenhill Petroleum Corporation | | Lovington San Andres | | |
| OPERATOR | | LEASE | | |
| #58 | 2310' FNL & 1309' FWL | 31 | 16S | 37E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Completed
5-15-41

deepen to 5070



Surface Casing

Size: 13 " Cemented with 180 SX

TOC: Surface feet determined by circ

Hole size: 17-1/4"

Intermediate Casing

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

TOC: 860 feet determined by calc

Hole Size: 11"

Long String

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

TOC: 3479 feet determined by calc

Hole Size: 7-7/8"

Total Depth: 4990'

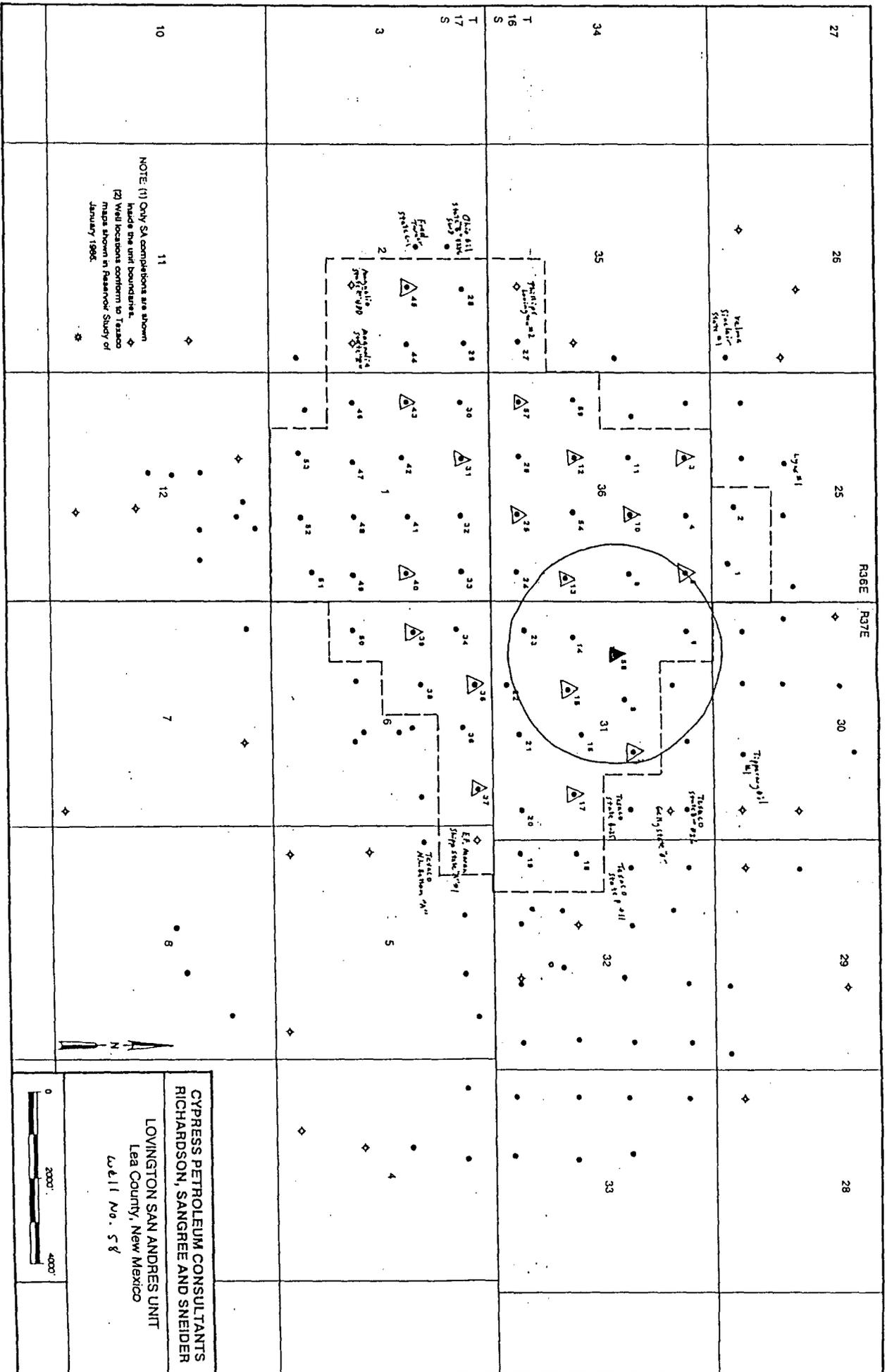
Injection Interval

4570 feet to 5070 feet
(perforated or open-hole, indicate which)

Tubing size 2- /8 lined with IPC set in a
(material)
packer at 4550 feet.
(brand & model)
(or describe any other casing-tubing seal).

Other Data

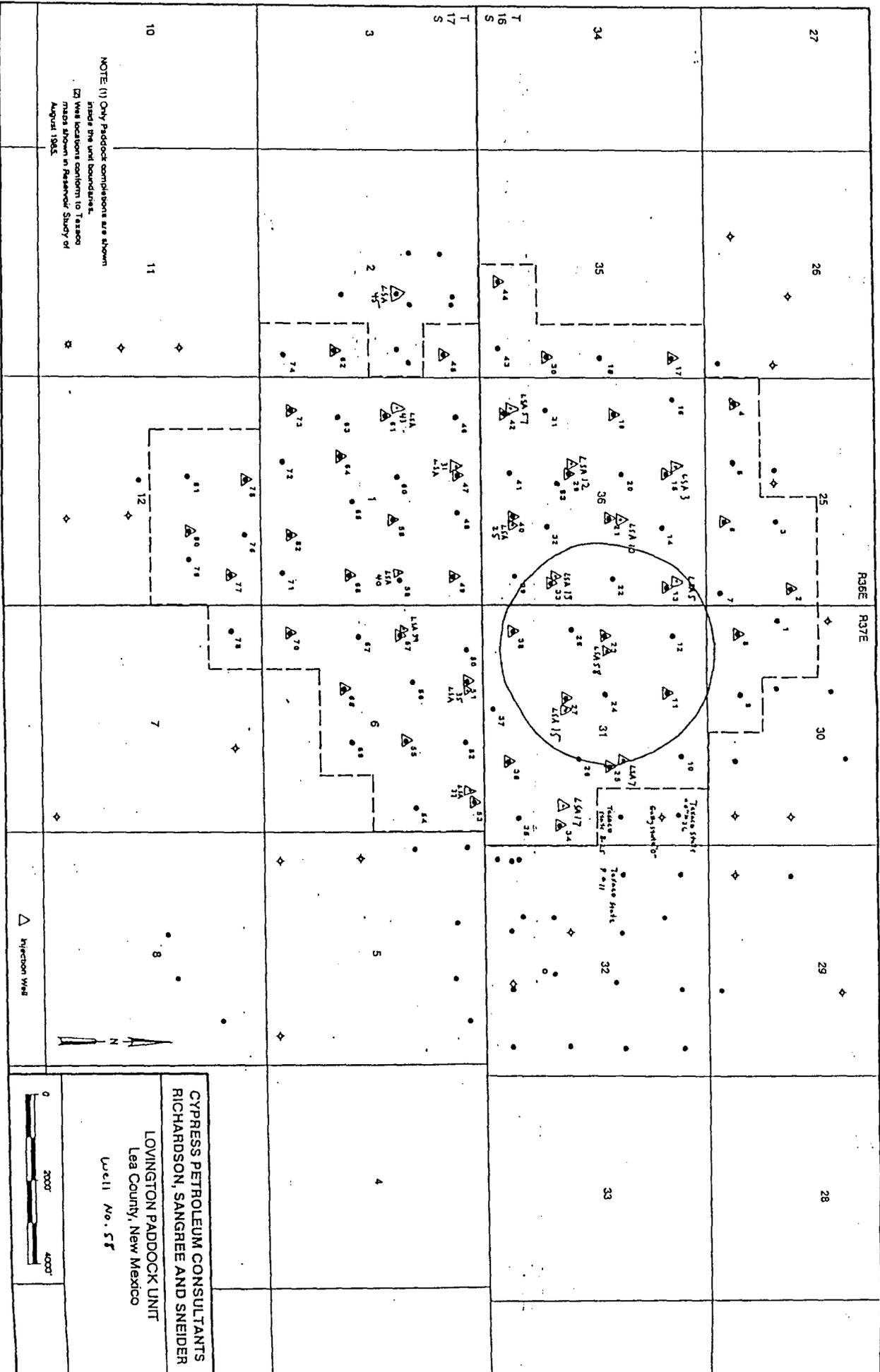
- Name of the injection formation San Andres
- Name of Field or Pool (If applicable) Lovington San Andres
- Is this a new well drilled for injection? No
If no, for what purpose was the well originally drilled? Production
- Has the well ever be perforated in any other zone(s)? List all such perforated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



NOTE: (1) Only SA completions are shown inside the unit boundaries.
 (2) Well locations conform to Tazaco maps shown in Passerow Study of January 1965.

CYPRESS PETROLEUM CONSULTANTS
RICHARDSON, SANGREE AND SNIEDER
 LOVINGTON SAN ANDRES UNIT
 Lea County, New Mexico
 Well No. 58

0 2000' 4000'

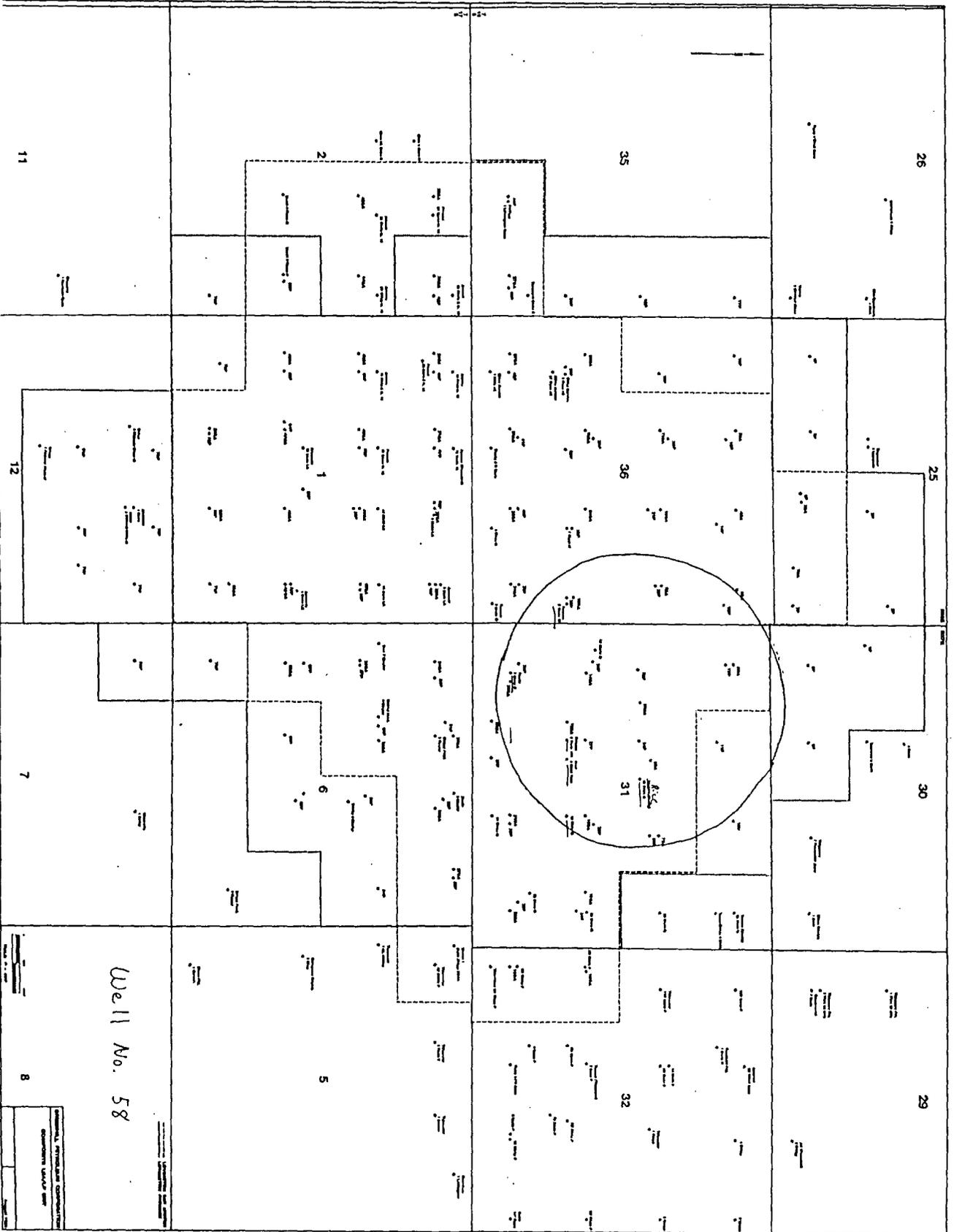


NOTE (1) Only Paddock completions are shown inside the unit boundaries.
 (2) Well locations conform to Texasco maps shown in Reference Study of August 1982.

CYPRESS PETROLEUM CONSULTANTS
 RICHARDSON, SANGREE AND SNEIDER
 LOVINGTON PADDOCK UNIT
 Lea County, New Mexico
 Well No. 58



△ Injection Well



INJECTION WELL DATA SHEET

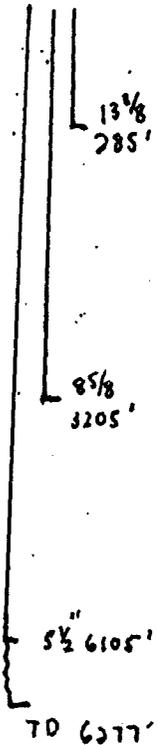
Greenhill Petroleum Corporation

Lovington Paddock

| OPERATOR | LEASE | | | |
|----------|----------------------|------|----------|-------|
| # 1 | 1655' FSL & 330' 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: _____ 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

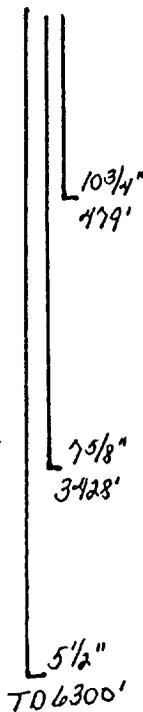
- Name of the injection formation _____
- Name of Field or Pool (If applicable) Paddock
- Is this a new well drilled for injection? No
If no, for what purpose was the well originally drilled? Production
- Has the well ever be perforated in any other zone(s)? List all such perforated intervals and give 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 | | |
| # 2 | 1650' FSL & 330' FEL | 25 ¹ | 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

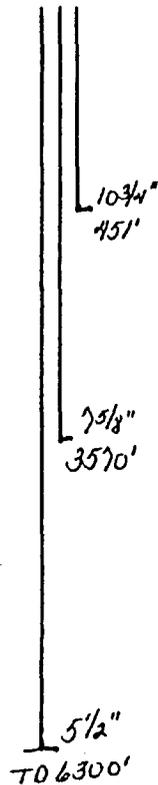
- Name of the injection formation: Paddock
 - Name of Field or Pool (If applicable) Paddock
 - Is this a new well drilled for Injection? No
If no, for what purpose was the well originally drilled? Production
 - Has the well ever been perforated in any other zone(s)? List all such perforated intervals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

Lynx Petroleum Consultants

Geraldine Doughty

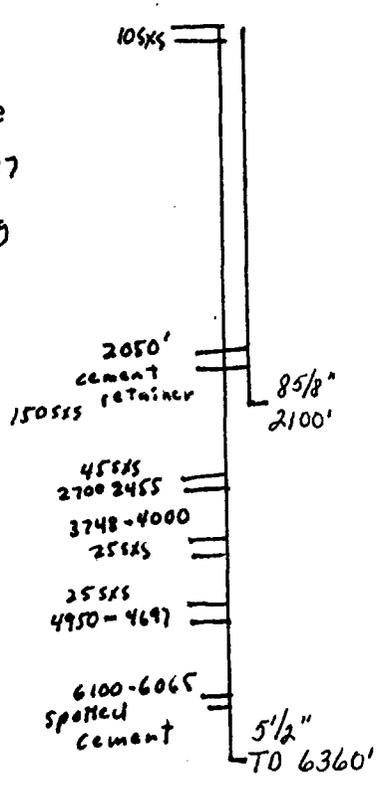
| | | | | |
|----------|-----------------------|-------|----------|-------|
| OPERATOR | | LEASE | | |
| # 1 | 2100' FWL & 1650' FSL | 25 | 16S | 36E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

4.2 3.3

Tubular Data

Completed
2-20-86

Cased Hole
Pc A 12/5/87
pulled casing
2600'



Surface Casing

Size: 8-5/8" Cemented with 975 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 790 SX
 TOC: 2056 feet determined by 80% calc
 Hole size: 7-5/8"
 Total Depth: 6360'

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) Wildcat 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 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.
Below Grayburg

INJECTION WELL DATA SHEET

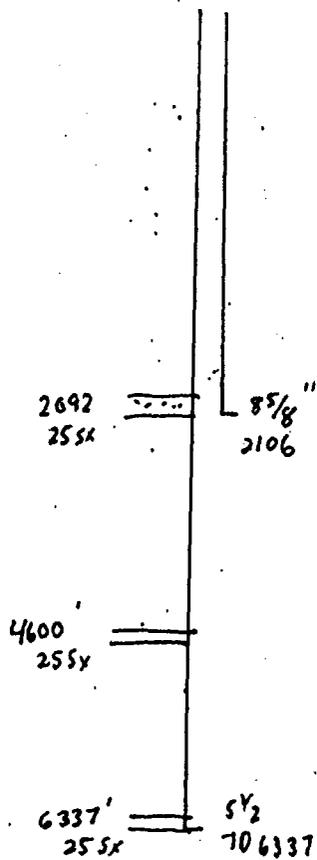
Velma Petroleum Corporation OPERATOR Sinclair State No. 1 LEASE

1 WELL NO. 330' FEL & 330' FSL FOOTAGE LOCATION 26 SEC. 16S TOWNSHIP 36E RANGE

Completed 1-08-56

Tubular Data

P&A'd 3-27-62



Surface Casing

Size: 8-5/8" Cemented with 650 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 140 SX

TOC: 4754 feet determined by 80% calc

Hole Size: 6-3/4"

Total Depth: 6337'

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

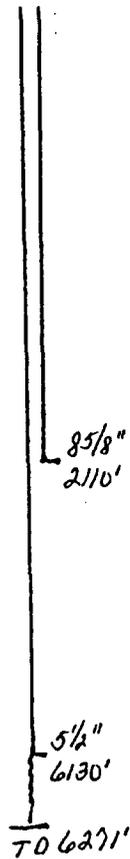
- Name of the injection formation
- Name of Field or Pool (If applicable) Wildcat Queen
- Is this a new well drilled for injection? No. If no, for what purpose was the well originally drilled? Production
- Has the well ever be perforated in any other zone(s)? List all such perforated intervals and give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

INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|---------------------|-------------------|----------|-------|
| Greenhill Petroleum Corporation | | Lovington Paddock | | |
| OPERATOR | | LEASE | | |
| # 4 | 660' FSL & 660' FWL | 25 | 16S | 36E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Spud Date
2-16-55



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 calc

Hole size:

Long String

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

TOC: 3891 feet determined by temp survey

Hole size: -

Total Depth: 6277'

Injection Interval

6107 feet to 6271 feet
(perforated or open-hole, indicate which)

Tubing size 2-3/8 lined with IPC set in a Tension Type packer at 6107 feet. (Or describe any other casing-tubing seal).

Other Data

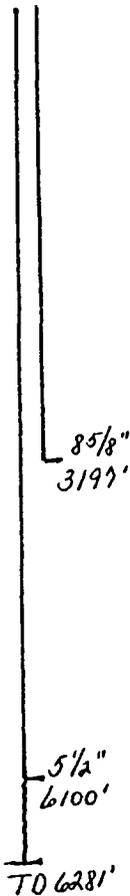
1. Name of the injection formation: Paddock
 2. Name of Field or Pool (If applicable) Paddock
 3. Is this a new well drilled for Injection? No
If no, for what purpose was the well originally drilled? Production
 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals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

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

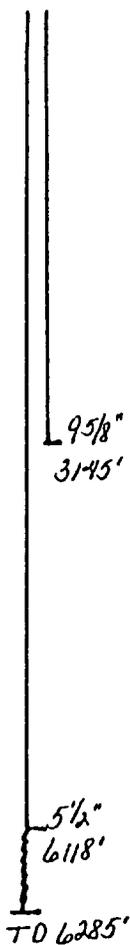
- Name of the injection formation: -
 - Name of Field or Pool (If applicable) Paddock
 - Is this a new well drilled for Injection? No
If no, for what purpose was the well originally drilled? Production
 - Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give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

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
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

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 | | | |
| #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

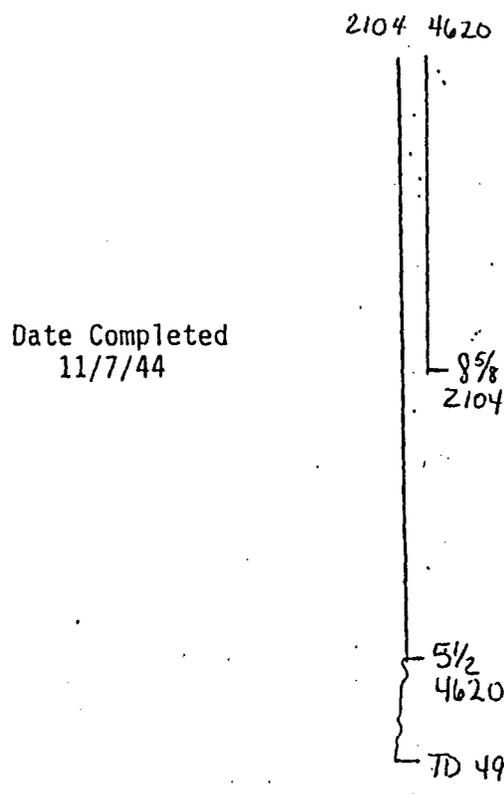
Injection Interval

_____ 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

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

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

TOC: 2313 feet determined by 80% calc

Hole Size: 7 7/8

Total Depth: 5060'

Injection Interval

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

Completed
10/4/45

Converted to
Injection
6/29/65

8 5/8
2096

5 1/2 4629
TD 5060

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

11

INJECTION WELL DATA SHEET

| | |
|---------------------------------|-------------------|
| GREENHILL PETROLEUM CORPORATION | LOVINGTON PADDOCK |
| OPERATOR # 7 | LEASE 25 |
| 330' FEL & 330' FSL | 16S 36E |

| | | | | |
|----------|------------------|------|----------|-------|
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |
|----------|------------------|------|----------|-------|

Tubular Data

Spud Date
8-1-53

}

8 5/8"

2104'

5 1/2"

6685'

TD 6260'

Surface Casing

Size: 8-5/8" Cemented with 800 SX
 TOG: Surface feet determined by calc
 Hole size: 11"

Intermediate Casing

Size: _____ Cemented with _____ SX
 TOG: _____ feet determined by calc
 Hole Size: _____

Long String

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

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 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.
Above Glorieta

INJECTION WELL DATA SHEET

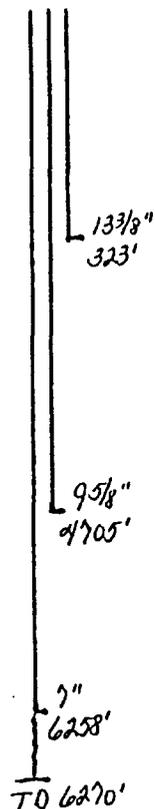
Greenhill Petroleum Corporation

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 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

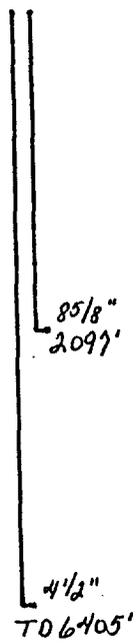
- Name of the injection formation: Paddock
 - Name of Field or Pool (If applicable) Paddock
 - Is this a new well drilled for Injection? No
If no, for what purpose was the well originally drilled? Production
 - Has the well ever been perforated in any other zone(s)? List all such perforated intervals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

| | | | | |
|--------------|---------------------|-----------|----------|-------|
| Getty Texaco | | 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
 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 80% calc
 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

- 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).

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

Glorieta (Overlying)

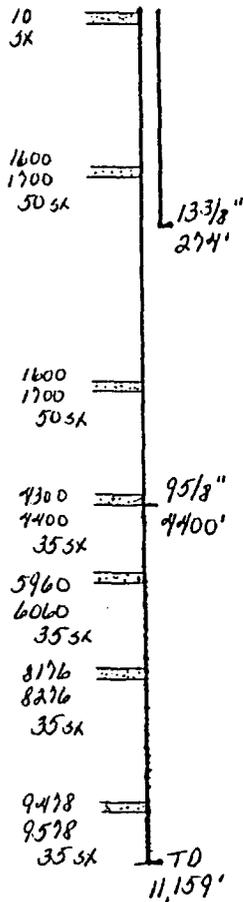
INJECTION WELL DATA SHEET

| | | | | |
|-------------|---------------------|----------|----------|-------|
| Texas Crude | | State 31 | | |
| OPERATOR | | LEASE | | |
| 1 | 990' FNL & 660' FEL | 31 | 16S | 37E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Completed
9-16-68

P&A'd
9-16-68



Surface Casing

Size: 13-3/8" Cemented with 200 SX

TOC: Surface feet determined by calc

Hole size: 17-1/2"

Intermediate Casing

Size: Cemented with SX

TOC: feet determined by

Hole size:

Long String

Size: 9-5/8" Cemented with 400 SX

TOC: 3194 feet determined by 80% calc

Hole size: 12-1/4"

Total Depth: 11,159'

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) 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.

Above Abo

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

Surface Casing

Spud Date
8-11-54

Size: 8-5/8" Cemented with 1500 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 300 SX

TOC: 4470 feet determined by 80% calc

Hole Size: 7-7/8"

Total Depth: 6260'

8 5/8"
3912
5 1/2"
6105
TD
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

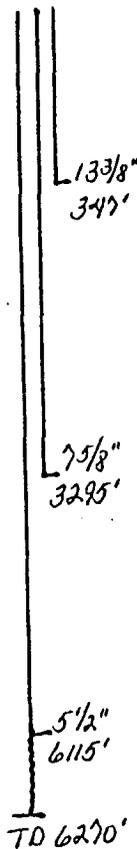
16

| | | | | |
|---------------------------------|----------------------|-------------------|----------|-------|
| 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

- 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
 TOG: Surface feet determined by calc.

Hole size: 18

Intermediate Casing

Size: 8 5/8 " Cemented with 150 SX
 TOG: 1271 feet determined by calc 50%

Hole Size: 11

Long String

Size: 7 " Cemented with 200 SX
 TOG: 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)

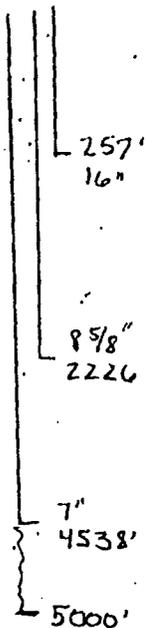
(or describe any other casing-tubing seal).

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

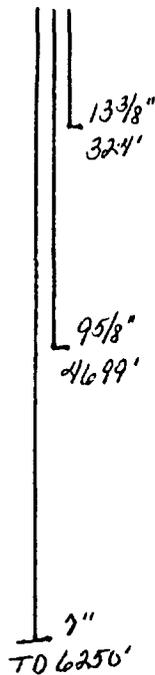


INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|---------------------|-------------------|----------|-------|
| Greenhill Petroleum Corporation | | Lovington 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 calc

Hole size:

Intermediate Casing

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

TOC: feet determined by calc

Hole size:

Long String

Size: 7" Cemented with 450 SX

TOC: 2675 feet determined by 70% calc

Hole size:

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

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

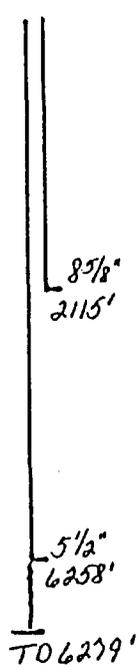
INJECTION WELL DATA SHEET

19

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

Tubular Data

Spud Date
2-13-53



Surface Casing

Size: 8-5/8 " Cemented with 650 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 225 SX
 TOC: 5185 feet determined by 70% calc
 Hole size:

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 | 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
 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:

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
- 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 | | |
| #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)

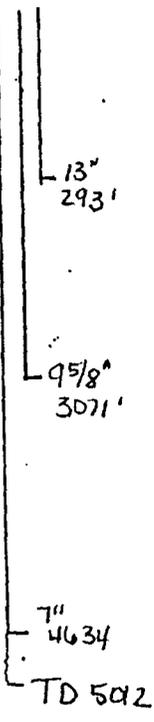
Tubing size 2 3/8 lined with IPC set in a
 _____ (material) packer at 4586 feet.
 (brand & model)
 (or describe any other casing-tubing seal).

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

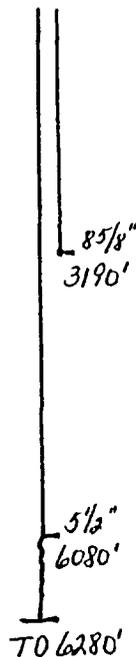


INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|----------------------|-------------------|----------|-------|
| Greenhill Petroleum Corporation | | Lovington 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:

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

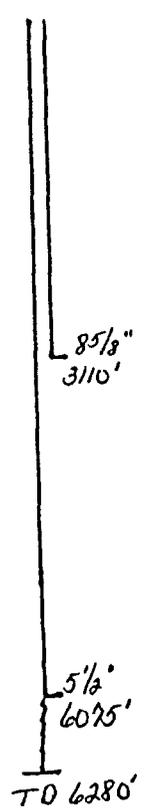
- Name of the injection formation: Paddock
- Name of Field or Pool (If applicable) Paddock
- Is this a new well drilled for Injection? No
If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and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

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

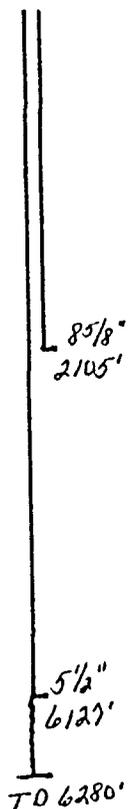
INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|---------------------|-------------------|----------|-------|
| Greenhill Petroleum Corporation | | Lovington Paddock | | |
| OPERATOR | | LEASE | | |
| #17 | 660' FNL & 330' FEL | 35 | 16S | 36E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Spud Date
5-15-55

Converted
to Injection
12/66



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 465 SX
 TOC: 3805 feet determined by temp survey
 Hole size:
 Total Depth: 6280'

Injection Interval

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

Tubing size 2-3/8" lined with IPC set in a - packer
 at 6056 feet. (Or describe any other casing-tubing seal).

Other Data

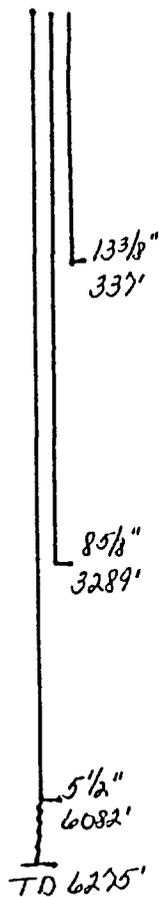
- Name of the injection formation: Paddock
 - Name of Field or Pool (If applicable) Paddock
 - Is this a new well drilled for Injection? No
 If no, for what purpose was the well originally drilled? Production
 - Has the well ever been perforated in any other zone(s)? List all such perforated intervals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

Hole size:

Intermediate Casing

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

TOC: Surface feet determined by calc

Hole size:

Long String

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

TOC: 4430 feet determined by temp
survey

Hole size:

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
-
- 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

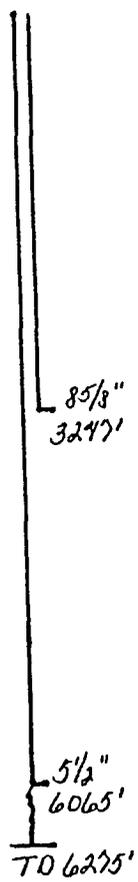
26

| | | | | |
|---------------------------------|----------------------|-------------------|----------|-------|
| 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
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: 3964 feet determined by temp survey
Hole size:

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

Hole size:

Intermediate Casing

Size: Cemented with SX

TOC: feet determined by

Hole size:

Long String

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

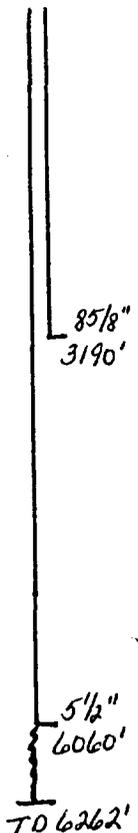
TOC: 3535 feet determined by temp survey

Hole size:

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

Greenhill Petroleum Corporation

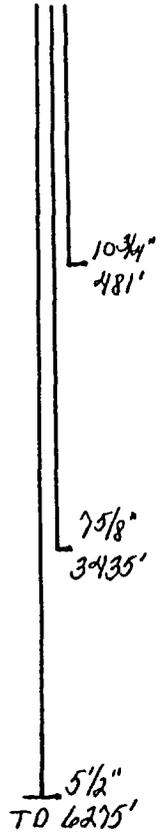
Lovington Paddock

| | | | | | |
|----------|-----------------------|--|-------|----------|-------|
| 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



Surface Casing

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

TOC: Surface feet determined by calc

Hole size:

Intermediate Casing

Size: 7-5/8" Cemented with 1000 SX

TOC: Surface feet determined by calc

Hole size:

Long String

Size: 5-1/2" Cemented with 630 SX

TOC: 3638 feet determined by temp survey

Hole size:

Total Depth: 6275'

Injection Interval

6103 feet to 6226 feet
(perforated or open-hole, indicate which)

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

Other Data

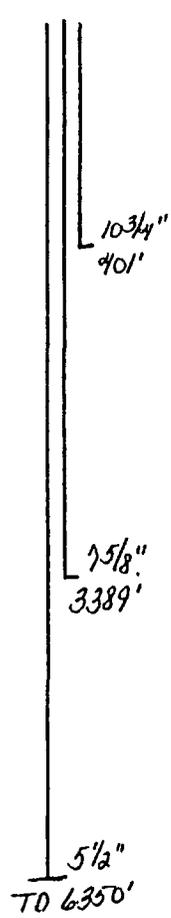
1. Name of the injection formation: Paddock
2. Name of Field or Pool (If applicable) Paddock
3. Is this a new well drilled for Injection? No
If no, for what purpose was the well originally drilled? Production
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals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

Intermediate Casing

Size: 7-5/8" Cemented with 2014 SX
 TOC: Surface feet determined by calc
 Hole size:

Long String

Size: 5-1/2" Cemented with 600 SX
 TOC: 3581 feet determined by temp survey
 Hole size:

Total Depth: 6350'

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

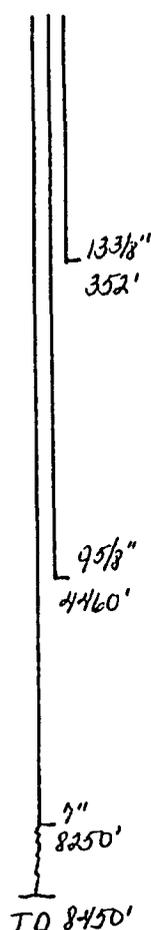
Lovington Paddock

| OPERATOR | FOOTAGE LOCATION | | LEASE | SEC. | TOWNSHIP | RANGE |
|----------|----------------------|--|-------|----------|----------|-------|
| #23 | 2392' FNL & 750' FWL | | 31 | 16S | 37E | |
| WELL NO. | FOOTAGE LOCATION | | SEC. | TOWNSHIP | RANGE | |

Tubular DataSpud Date
3-29-52Converted
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 Interval6120 feet to 6170 feet
(perforated or open-hole, indicate which)

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

Other Data

- 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 | | |
| #24 | 2310' FNL & 1968' FWL | 31 | 16S | 37E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Spud Date
9-12-53

| | |
|--|---|
| | <u>Surface Casing</u> |
| | Size: 8-5/8" Cemented with 950 SX |
| | TOC: Surface feet determined by calc |
| | Hole size: |
| | <u>Intermediate Casing</u> |
| | Size: Cemented with SX |
| | TOC: feet determined by |
| | Hole size: |
| | <u>Long String</u> |
| | Size: 5-1/2" Cemented with 400 SX |
| | TOC: 4077 feet determined by temp survey |
| | Hole size: |
| | Total Depth: 6257' |
| | <u>Injection Interval</u> |
| | - feet to - feet (perforated or open-hole, indicate which) |

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

Other Data

- 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 San Andres | | |
| OPERATOR | | LEASE | | |
| 8 | 2150' FNL & 366' FEL | 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

- 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 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

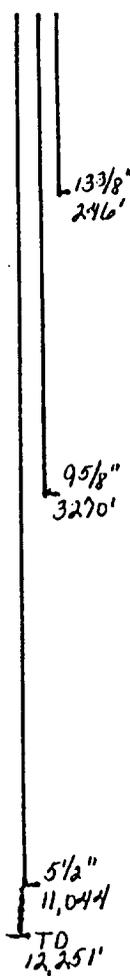
INJECTION WELL DATA SHEET

| | | | | |
|------------------|-----------------------|---------------------|----------|-------|
| 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 calc
 Hole size: 18"

Intermediate Casing
 Size: 9-5/8" Cemented with 1400 SX
 TOC: 352 feet determined by 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)

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) East Lovington (Penn)
 - 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.
 Abo (Above)

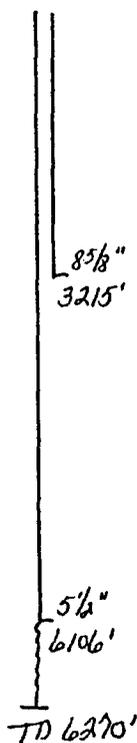
INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|-----------------------|-------------------|----------|-------|
| Greenhill Petroleum Corporation | | Lovington Paddock | | |
| OPERATOR | | LEASE | | |
| #25 | 2130' FNL & 1980' FWL | 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:

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

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

Tubular DataCompleted
6-26-65Surface Casing

Size: 8-5/8" Cemented with 925 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: 4-1/2" Cemented with 750 SX

TOC: 3292 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 - 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.

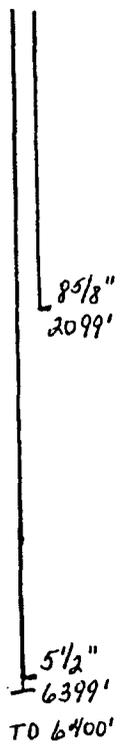
Glorieta (Overlying)

INJECTION WELL DATA SHEET

| | | | | |
|-----------------------|----------------------|-----------|----------|-------|
| Tidewater Oil Company | | State "P" | | |
| OPERATOR | | LEASE | | |
| 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 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 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

| | | | | |
|---------------------------------|--------------------|---------------------------|----------|-------|
| 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'

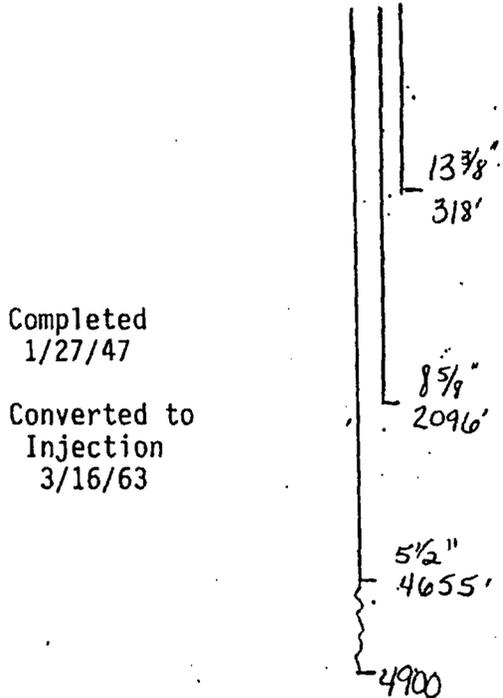
Injection Interval

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

| | | | | |
|----------|----------------------|-----------|----------|-------|
| 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

Surface Casing
 Size: 13-3/8" Cemented with 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: 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
 _____ (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

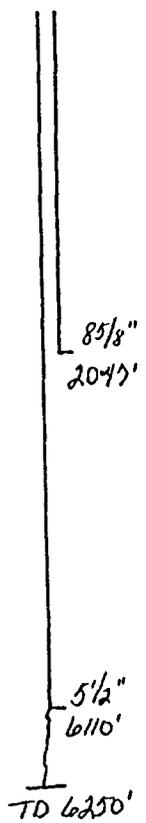
Greenhill Petroleum Corporation

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 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:

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

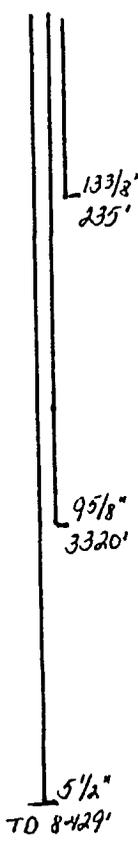
- Name of the injection formation: Paddock
- Name of Field or Pool (If applicable) Paddock
- Is this a new well drilled for Injection? No
If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and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

| | | | | |
|------------------|----------------------|---------------------|----------|-------|
| Texaco | | State "0" Battery 2 | | |
| OPERATOR | | LEASE | | |
| 10 10 | 1980' FSL & 660' FEL | 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 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

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

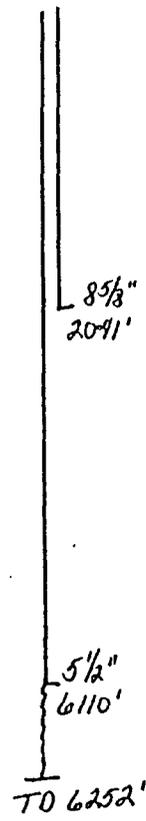
Greenhill Petroleum Corporation

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

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 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

TOC: _____ feet determined by _____

Hole size: 15 1/4

Intermediate Casing

Size: 8 5/8 " Cemented with 500 SX

TOC: _____ feet determined by _____

Hole Size: 10 1/4

Long String

Size: 5 1/2 " Cemented with 200 SX

TOC: 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)

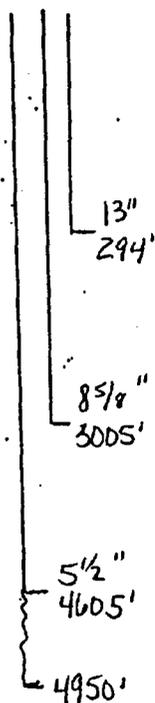
Tubing size 2 3/8 lined with IPC set in a
(material)
_____ packer at 4557 feet.
(brand & model)
(or describe any other casing-tubing seal).

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

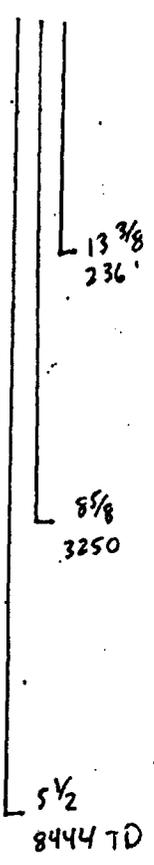


INJECTION WELL DATA SHEET

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

Tubular Data

Completed
8-08-52



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 1800 SX
 TOC: Surface feet determined by 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 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).

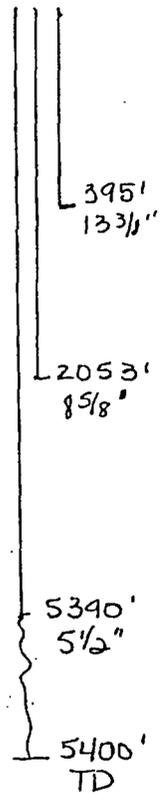
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.
Above Drinkard

INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|-----------------------|----------------------|----------|-------|
| 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: 11"

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
 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



Surface Casing

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

TOC: Surface feet determined by calc

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

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

Greenhill Petroleum Corporation

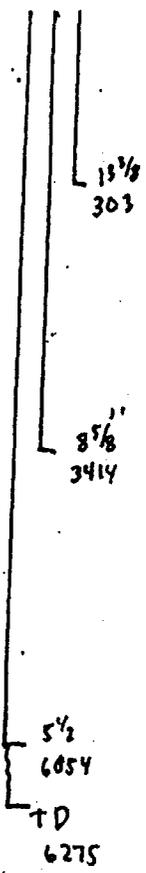
Lovington Paddock

| | | | |
|----------|-----------------------|------|----------------|
| OPERATOR | 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 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~~ 4316 feet determined by ~~80% calc~~ 75
 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 set in a
 (material)
 packer at 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 San Andres Unit | | |
| OPERATOR | | LEASE | | |
| #14 | 1980 FSL & 818 FWL | 31 | T16S | R37E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Surface Casing

Size: 10 3/4 " Cemented with 250 SX
 TOC: Surface feet determined by 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

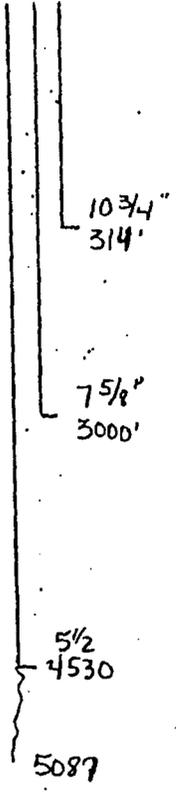
4530 feet to 5087 feet
 (perforated or open-hole, indicate which)

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

Completed
 8/7/39
 Converted to
 Injection
 3/15/63



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:

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:

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

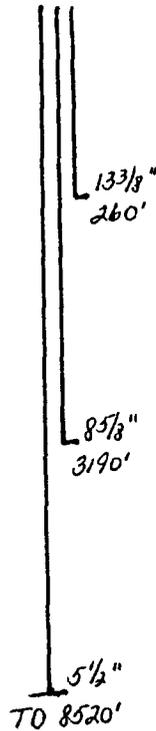
- Name of the injection formation:
 - Name of Field or Pool (If applicable) Paddock
 - Is this a new well drilled for Injection? No
If no, for what purpose was the well originally drilled? Production
 - Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used).
No
-
- 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 | | | |
| 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 225 SX
 TOC: Surface feet determined by calc
 Hole size: 18"

Intermediate Casing

Size: 8-5/8" Cemented with 700 SX
 TOC: 1046 feet determined by 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).
-
5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

(Above) Drinkard

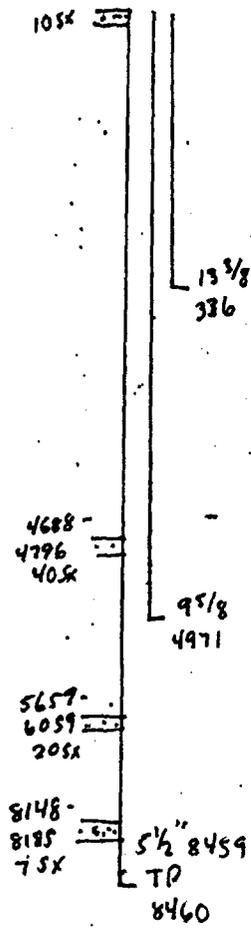
INJECTION WELL DATA SHEET

Tidewater Getty State "M"
 OPERATOR LEASE

2 3630' FNL & 330' FEL 36 16S 36E
 WELL NO. FOOTAGE LOCATION SEC. TOWNSHIP RANGE

Tubular Data

Completed
 3-03-52
 P&A 6-26-73



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

Intermediate Casing
 Size: 9-5/8" Cemented with 3000 SX
 TOC: Surface feet determined by calc
 Hole Size: 12-1/4"

Long String
 Size: 7 Cemented with 400 SX
 TOC: 5820 feet determined by C 103 report
 Hole Size: 8-3/4"
 Total Depth: 8460'

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

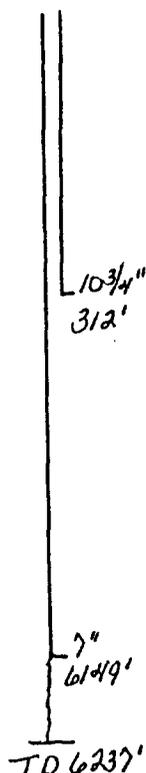
| Greenhill Petroleum Corporation | | Lovington Paddock | | |
|---------------------------------|----------------------|-------------------|----------|-------|
| OPERATOR | | LEASE | | |
| #33 | 1650' FSL & 400' FEL | 36 | 16S | 36E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Completion
2-2-53

Deepened for
Inj. 12/66
6150-6237'

Converted to
Injection 12/66

Surface Casing

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

TOC: Surface feet determined by calc

Hole size:

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

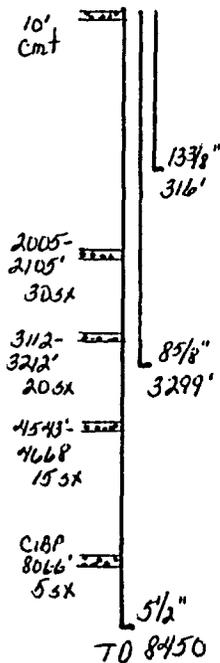
54

| | | | | |
|----------|-----------------------|-----------|----------|-------|
| Getty | | State "M" | | |
| OPERATOR | | LEASE | | |
| 3 | 1650' FSL & 1650' FEL | 36 | 16S | 36E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Completed
8-16-52

P&A 2-11-75



Surface Casing

Size: 13-3/8" Cemented with 400 SX

TOC: Surface feet determined by calc

Hole size: 17-1/2"

Intermediate Casing

Size: 8-5/8" Cemented with 1100 SX

TOC: Surface feet determined by calc

Hole size: 11"

Long String

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

TOC: 4966 feet determined by 80% calc

Hole size: 7-3/4"

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

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

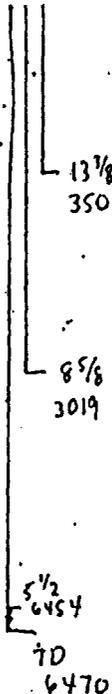
 feet to feet
(perforated or open-hole, indicate which)

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. - 4/15/90

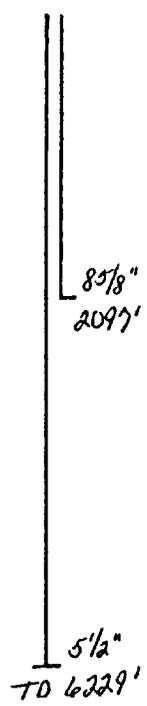


INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|-----------------------|-------------------|----------|-------|
| 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 calc
 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:

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
-
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 | | |
| OPERATOR | | LEASE | | |
| #54 | 1980' FSL & 1980' FEL | 36 | 16S | 36E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Spud 1-7-63

Surface CasingSize: 7-5/8 " Cemented with 240 SXTOC: Surface feet determined by calcHole size: 9-7/8"Intermediate Casing

Size: _____ " Cemented with _____ SX

TOC: _____ feet determined by _____

Hole Size: _____

Long StringSize: 4-1/2 " Cemented with 235 SXTOC: 2314 feet determined by Temp surveyHole Size: 6-3/4"Total Depth: 5110'Injection Interval4662 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 Corp. State "R"
 OPERATOR LEASE

83 2310 FWL c 1650 FSL Sec 36 T16S-R36E
 WELL NO. FOOTAGE LOCATION SEC. TOWNSHIP RANGE

Tubular Data

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

Other Data

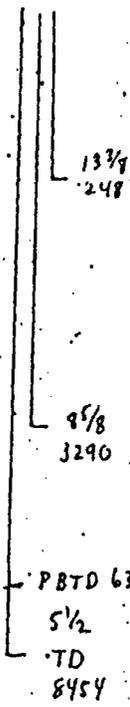
- Name of the injection formation _____
- Name of Field or Pool (If applicable) Lovington A60
- Is this a new well drilled for injection? No
If no, for what purpose was the well originally drilled? production
- Has the well ever be perforated in any other zone(s)? List all such perforated intervals and 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 Gloria

Completed
10/31/52

CIBP
Set 6400
New PBD 6370 1/20/86



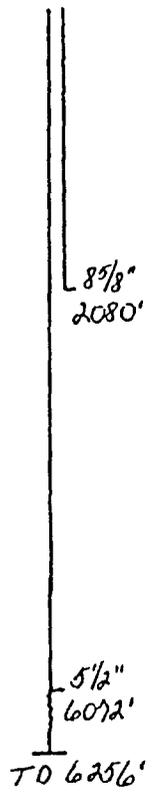
INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|-----------------------|-------------------|----------|-------|
| 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 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: ⁵²⁰⁵4574 feet determined by ^{Temp. Survey}~~80% calc~~
 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).

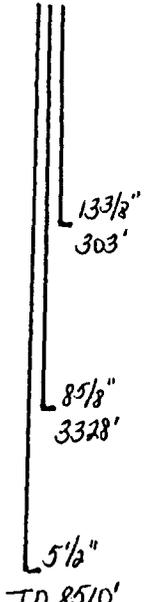
Other Data

- 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
-
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

| | | | | |
|---|----------------------|----------|----------|-------|
| Cities Service <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
 Hole size: 17-1/2"

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 1330 SX
 TOC: 1265 feet determined by 80% calc
 Hole size: 7-7/8"
 Total Depth: 8510'

Injection Interval

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

Tubing size - lined with - set in a - packer

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

Other Data

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

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

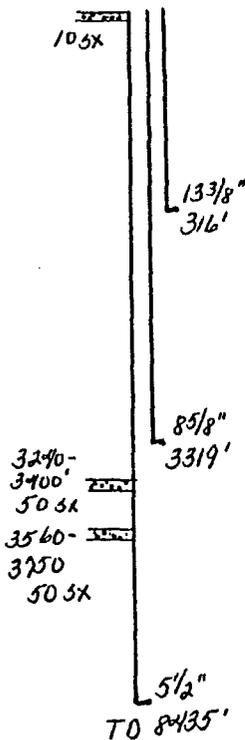
(Above) Drinkard

INJECTION WELL DATA SHEET

| | | | | |
|----------------|-----------------------|----------|----------|-------|
| Cities Service | | State AE | | |
| OPERATOR | | LEASE | | |
| 2 | 3630' FNL & 4290' FEL | 36 | 16S | 36E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Completed
1-09-53
P&A 6-6-69



Surface Casing

Size: 13-3/8" Cemented with 325 SX
TOC: Surface feet determined by calc
Hole size: 17-1/2"

Intermediate Casing

Size: 8-5/8" Cemented with 2164 SX
TOC: Surface feet determined by calc
Hole size: 11"

Long String

Size: 5-1/2" Cemented with 650 SX
TOC: 5600 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).

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

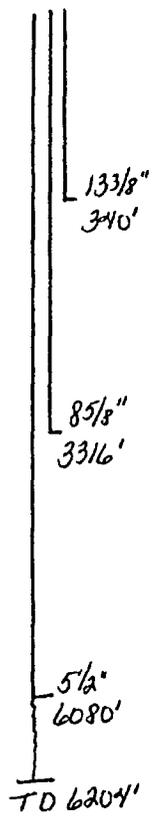
Greenhill Petroleum Corporation

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 calc
 Hole size:

Intermediate Casing

Size: 8-5/8" Cemented with 2300 SX
 TOC: Surface feet determined by calc
 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

| | | | | |
|---------------------------------|----------------------|----------------------|----------|-------|
| 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: _____ " Cemented with _____ SX

TOC: _____ feet determined by _____

Hole Size: _____

Long String

Size: 4-1/2 " Cemented with 450 SX

TOC: 3581 feet determined by calc

Hole Size: 7-7/8"

Total Depth: 5060

2064'
8 5/8"

5060'
4 1/2"
TD

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

INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|----------------------|-------------------|----------|-------|
| Greenhill Petroleum Corporation | | Lovington Paddock | | |
| OPERATOR | | LEASE | | |
| #30 | 3630' FNL & 330' FEL | 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 calc

13 3/8"
339'

Hole size:

Intermediate Casing

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

TOC: Surface feet determined by calc

8 5/8"
3369'

Hole size:

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'

5 1/2"
6087'
PBD
6270'

Injection Interval

6087 feet to 6270 feet
TO 8760' (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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation

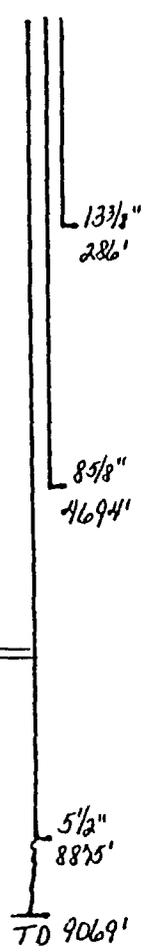
Lovington Paddock

| | | | |
|----------|----------------------|------|----------------|
| 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 SX
 TOC: Surface feet determined by calc
 Hole size: 17-1/4"

Intermediate Casing
 Size: 8-5/8" Cemented with 2150 SX
 TOC: Surface feet determined by calc
 Hole size: 11"

Long String
 Size: 5-1/2" Cemented with 740 SX
 TOC: 4844 feet determined by 80% calc
 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
-
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 | | |
| #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'

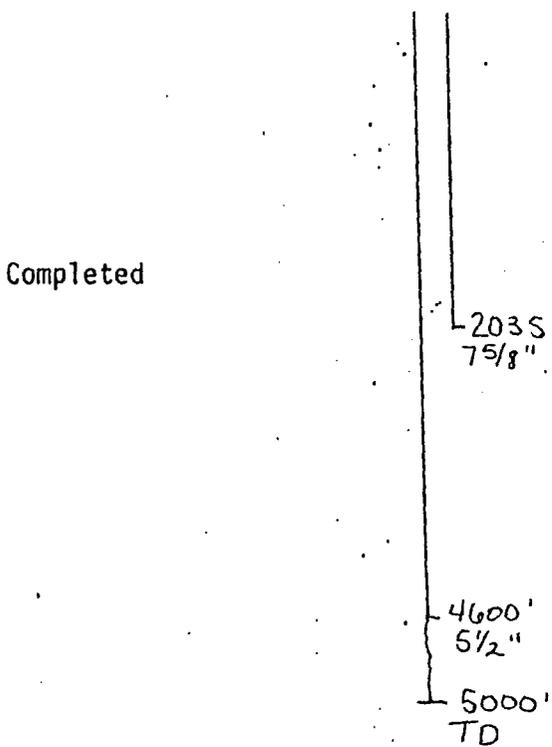
Injection Interval

_____ 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



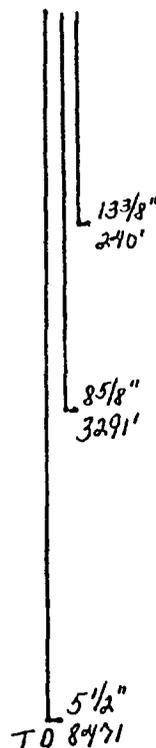
INJECTION WELL DATA SHEET

| 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

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

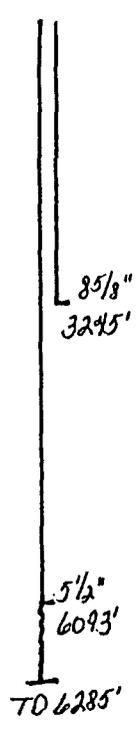
- Name of the injection formation:
 - Name of Field or Pool (If applicable) Lovington Abo
 - Is this a new well drilled for Injection? No
If no, for what purpose was the well originally drilled? Production
 - Has the well ever been perforated in any other zone(s)? List all such perforated intervals and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

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

- 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

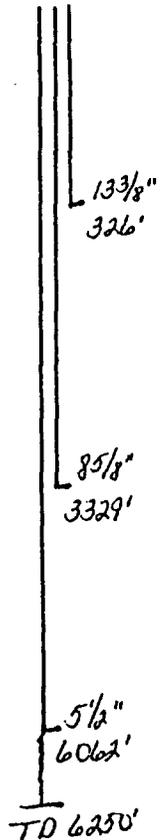
Greenhill Petroleum Corporation

Lovington Paddock

| | | | | | |
|----------|---------------------|--|-------|----------|-------|
| OPERATOR | | | LEASE | | |
| #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:

Intermediate Casing

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

TOC: Surface feet determined by calc

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

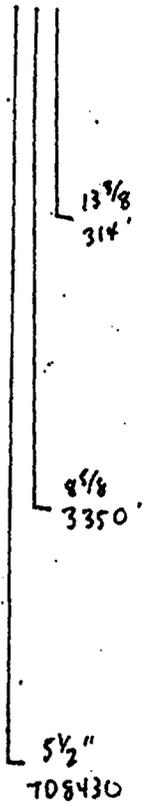
- Name of the injection formation: Paddock
- Name of Field or Pool (If applicable) Paddock
- Is this a new well drilled for Injection? No
If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and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

| | | | |
|----------|-----------------------|------|----------------|
| Penroc | State of | | |
| OPERATOR | LEASE | | |
| 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

Hole size: 17-1/4"

Intermediate Casing

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

TOC: Surface feet determined by calc

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

| | | | | |
|---------------------------------|--------------------|---------------------------|----------|-------|
| 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: _____ feet determined by _____

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"

Long String

Size: 5 1/2" Cemented with 200 SX

TOC: 3200' est. feet determined by _____

Hole Size: 6 3/4"

Total Depth: 5128'

Injection Interval

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

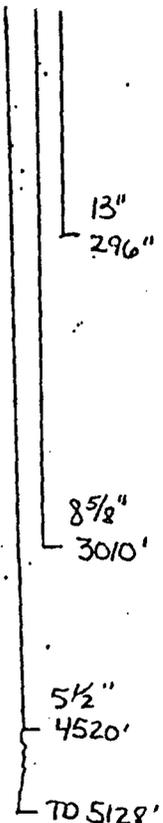
Tubing size _____ lined with _____ set in a
(material)
_____ packer at _____ feet.
(brand & model)
(or describe any other casing-tubing seal).

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

Completed
12/3/39



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 calc

Hole size:

Intermediate Casing

Size: Cemented with SX

TOC: feet determined by

Hole size:

Long String

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

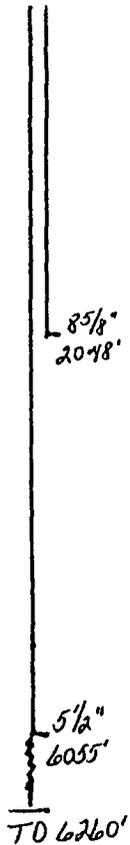
TOC: 4700 feet determined by temp survey

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

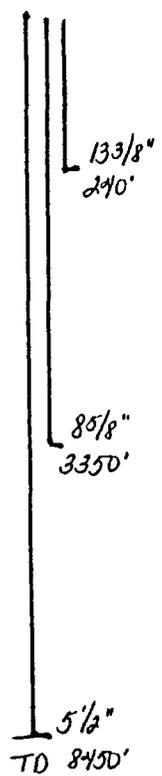
- Name of the injection formation:
- Name of Field or Pool (If applicable) Paddock
- Is this a new well drilled for Injection? No
If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging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

| | | | | |
|----------|----------------------|-----------|----------|-------|
| 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

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

| | | | | |
|---------------------------------|----------------------|-------------------|----------|-------|
| 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:

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

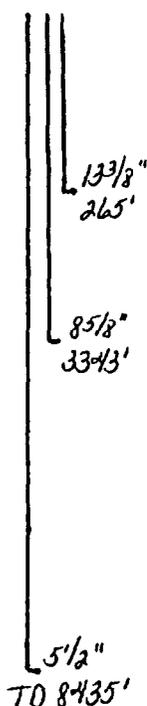
INJECTION WELL DATA SHEET

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 calc
 Hole size: 18"

Intermediate Casing

Size: 8-5/8" Cemented with 800 SX
 TOC: 798 feet determined by 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

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.

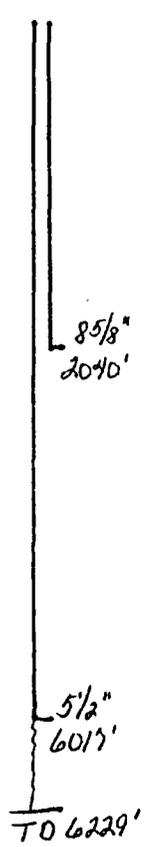
(Above) Drinkard

INJECTION WELL DATA SHEET

77

| | | | | |
|---------------------------------|---------------------|-------------------|----------|-------|
| 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
 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:

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

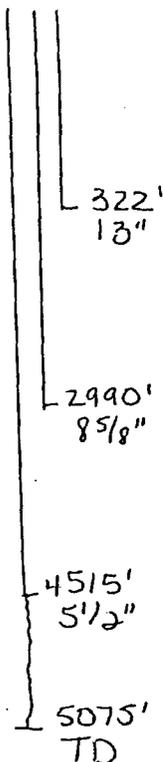
- Name of the injection formation:
- Name of Field or Pool (If applicable) Paddock
- Is this a new well drilled for Injection? No
 If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give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

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"

Intermediate Casing

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

TOC: 1458 feet determined by calc

Hole Size: 12-1/4"

Long String

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

TOC: 3145 feet determined by calc

Hole Size: 7-7/8"

Total Depth: 5075'

Injection Interval

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

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

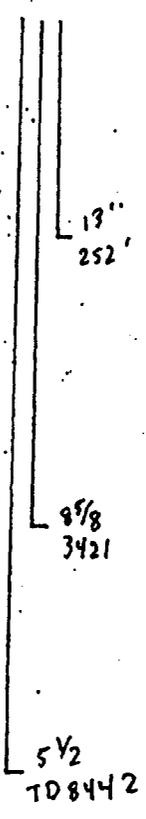
Other Data

- 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

| | | | | |
|----------|---------------------|------|----------|-------|
| Texaco | Skelly "Q" State | | | |
| OPERATOR | LEASE | | | |
| 3 | 330' FSL & 330' FEL | 36 | 16S | 36E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data



Surface Casing

Size: 13 " Cemented with 275 SX
 TOC: Surface feet determined by calc
 Hole size: 18"

Intermediate Casing

Size: 8-5/8 " Cemented with 1750 SX
 TOC: Surface feet determined by calc
 Hole Size: 12-1/4"

Long String

Size: 5-1/2 " Cemented with 739 SX
 TOC: 4037 feet determined by Haliburton
 Hole Size: 7-7/8"
 Total Depth: 8442'

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

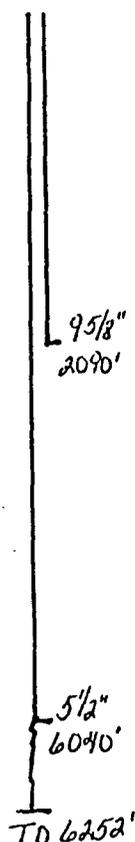
- Name of the injection formation -
- Name of Field or Pool (If applicable) Lovington Abo
- Is this a new well drilled for injection? No Production
 If no, for what purpose was the well originally drilled? -
- Has the well ever be perforated in any other zone(s)? List all such perforated intervals and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

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 DataCompleted
6-28-53Converted to
Injection 1-71Surface Casing

Size: 9-5/8" Cemented with 900 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: 3316 feet determined by 80% calc

Hole size: 7-7/8"

Total Depth: 6252'

Injection Interval6040 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

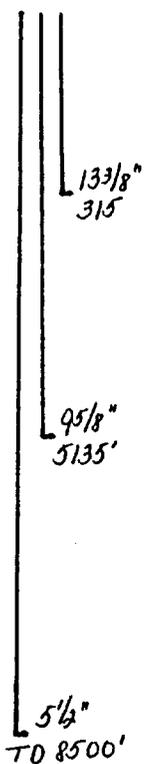
- Name of the injection formation: Paddock
- Name of Field or Pool (If applicable) Paddock
- Is this a new well drilled for Injection? No
If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and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

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'

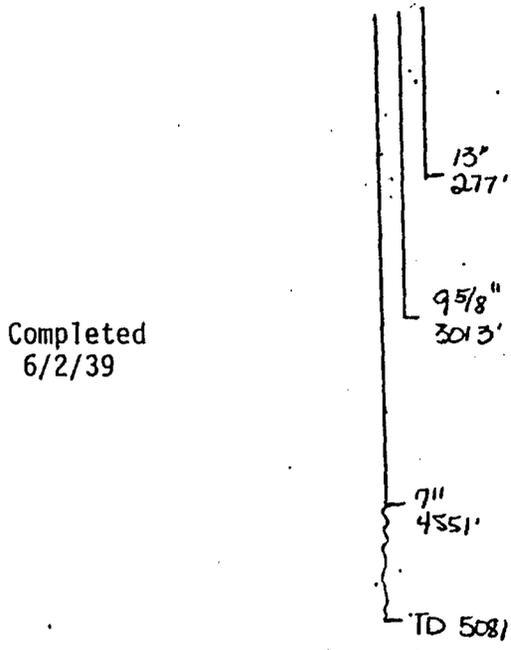
Injection Interval

 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

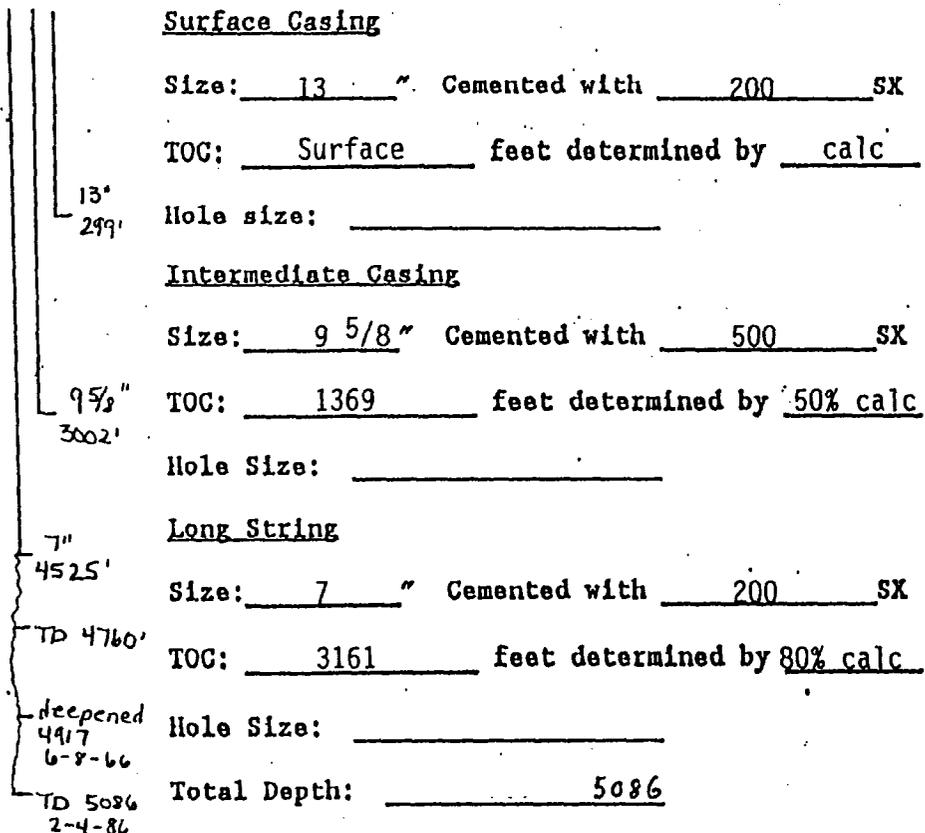
| | | | | |
|---------------------------------|--------------------|---------------------------|----------|-------|
| Greenhill Petroleum Corporation | | Lovington San Andres Unit | | |
| OPERATOR | | LEASE | | |
| #22 | 330 FSL & 1650 FWL | 31 | T16S | R73E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Completed
11/19/55

Deepened to 4917
6/8/66

Deepened to 5086
2/4/86



Surface Casing

Size: 13 " Cemented with 200 SX

TOC: Surface feet determined by calc

Hole size: _____

Intermediate Casing

Size: 9 5/8 " Cemented with 500 SX

TOC: 1369 feet determined by 50% calc

Hole Size: _____

Long String

Size: 7 " Cemented with 200 SX

TOC: 3161 feet determined by 80% calc

Hole Size: _____

Total Depth: 5086

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

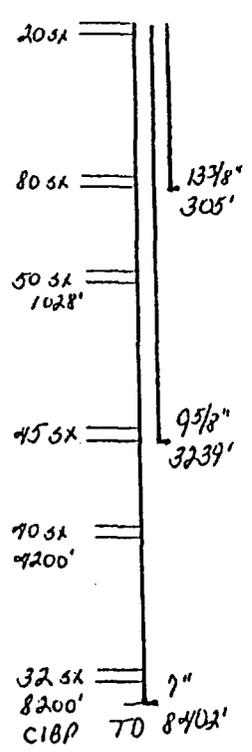
- Name of the injection formation San Andres
- Name of Field or Pool (if applicable) Lovington San Andres
- Is this a new well drilled for injection? No
If no, for what purpose was the well originally drilled? Production
- Has the well ever be perforated in any other zone(s)? List all such perforated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

| | | | | |
|----------|-------------------------|---------------|----------|-------|
| Arco | | State 182 "A" | | |
| OPERATOR | | LEASE | | |
| 3 | 1959.54' FWL & 660' FSL | 31 | 16S | 37E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Completed
4-12-52
P&A'd 2-4-76



Surface Casing

Size: 13-3/8" Cemented with 325 SX
TOC: Surface feet determined by calc
Hole size: 17-1/4"

Intermediate Casing

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

Long String

Size: 7" Cemented with 500 SX
TOC: 5261 feet determined by 80% calc.
Hole size: 8-3/4"
Total Depth: 8402'

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).

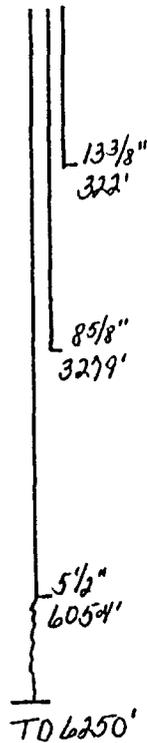
5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.
(Above) Drinkard

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation

Lovington Paddock

| OPERATOR | LEASE | | | |
|----------|----------------------|------|----------|-------|
| #37 | 330' FSL & 2290' FWL | 31 | 16S | 37E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular DataSpud Date
8-6-53Surface Casing

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

TOC: Surface feet determined by calc

Hole size:

Intermediate Casing

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

TOC: 1235 feet determined by temp survey

Hole size:

Long String

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

TOC: 4290 feet determined by temp survey

Hole size:

Total Depth: 6250'

Injection Interval6054 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
-
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

| | | | | |
|----------|----------------------|------|----------|-------|
| Texaco | State "0" | | | |
| OPERATOR | LEASE | | | |
| 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 240 SX

TOC: Surface feet determined by 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

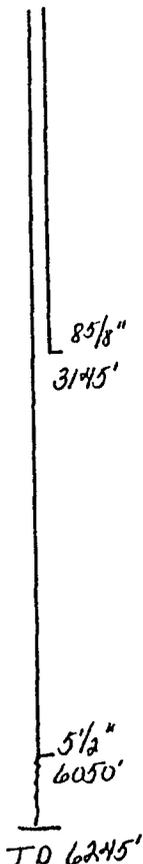
INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|----------------------|-------------------|----------|-------|
| 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 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: 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

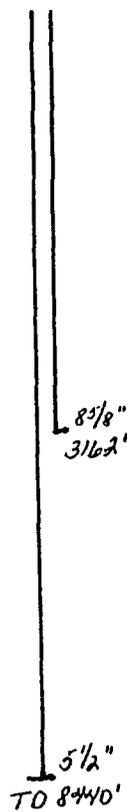
- Name of the injection formation: Paddock
 - Name of Field or Pool (If applicable) Paddock
 - Is this a new well drilled for Injection? No
 If no, for what purpose was the well originally drilled? Production
 - Has the well ever been perforated in any other zone(s)? List all such perforated intervals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

| | | | | |
|----------|---------------------|-----------|----------|-------|
| Texaco | | State "0" | | |
| OPERATOR | | LEASE | | |
| 23 | 990' FSL & 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

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

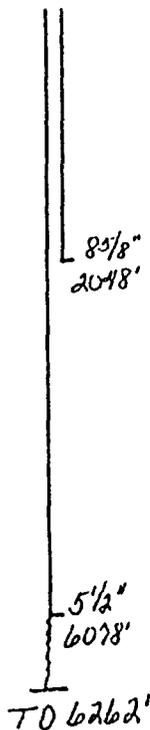
(Above) Glorieta

INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|--------------------|-------------------|----------|-------|
| Greenhill Petroleum Corporation | | Lovington Paddock | | |
| OPERATOR | | LEASE | | |
| #35 | 810' FSL & 10' 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 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: 3225 feet determined by temp survey
 Hole size:

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
-
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 | | |
| #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

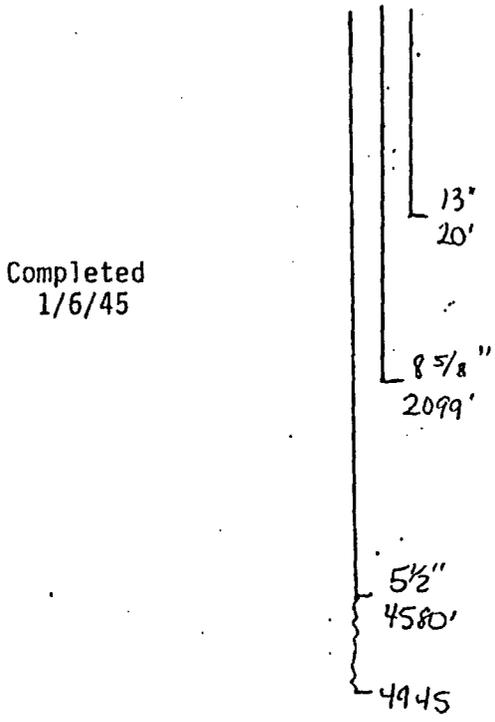
Size: 8 5/8 " Cemented with 400 SX
 TOC: 784 feet determined by 50% calc
 Hole Size: 11

Long String

Size: 5 1/2 " Cemented with 200 SX
 TOC: 654 feet determined by 80% calc
 Hole Size: 6 1/4
 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

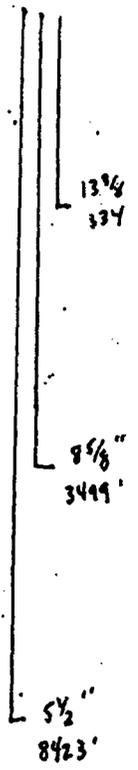
- Name of the injection formation San Andres
- Name of Field or Pool (IF applicable) Lovington San Andres
- Is this a new well drilled for injection? No
 If no, for what purpose was the well originally drilled? Production
- Has the well ever be perforated in any other zone(s)? List all such perforated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

INJECTION WELL DATA SHEET

| | | | | |
|----------|---------------------|-----------|----------|-------|
| Texaco | | State "P" | | |
| OPERATOR | | LEASE | | |
| 3-D | 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'

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

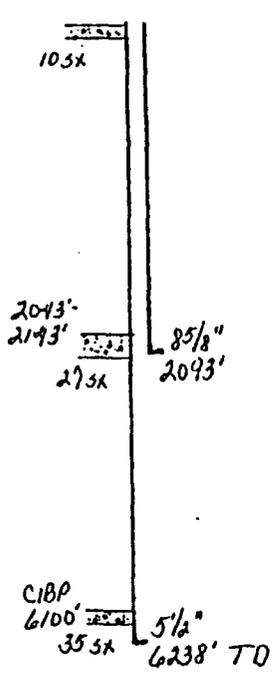
- Name of the injection formation _____
- Name of Field or Pool (If applicable) Lovington Abo
- Is this a new well drilled for injection? No
 If no, for what purpose was the well originally drilled? Production
- Has the well ever be perforated in any other zone(s)? List all such perforated intervals 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 | | State "P" | | |
| OPERATOR | | LEASE | | |
| 5 | 330' FSL & 330' FWL | 32 | 16S | 37E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Completed
1-18-52
P&A'd 7-26-76



Surface Casing
 Size: 8-5/8" Cemented with 1000 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 520 SX
 TOC: 3405 feet determined by 80% calc
 Hole size: 7-7/8"
 Total Depth: 6238'

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

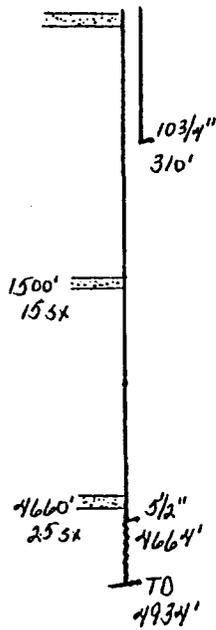
E. F. Moran Inc.

Shipp State "A"

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

Tubular Data

Completed
3-1-50
P&A'd 8-22-53



Surface Casing

Size: 10-3/4" Cemented with 175 SX
TOC: Surface feet determined by calc
Hole size: 13-3/4"

Intermediate Casing

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

Long String

Size: 5-1/2" Cemented with 400 SX
TOC: 2485 feet determined by 80% calc
Hole size: 7-7/8"

Total Depth: 4934'

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? 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.

INJECTION WELL DATA SHEET

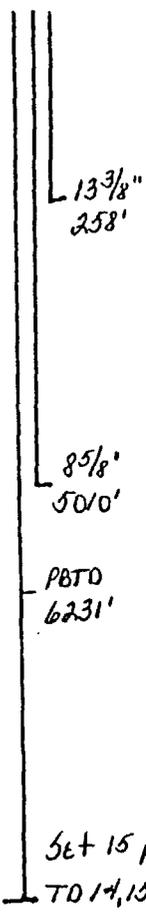
Greenhill Petroleum Corporation

Lovington Paddock

| | | | | | | |
|----------|---------------------|--|-------|----------|-------|-----|
| OPERATOR | 330' FNL & 840' FEL | | LEASE | 6 | 17S | 37E |
| #53 | | | | | | |
| 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 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

- 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 | | |
| #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

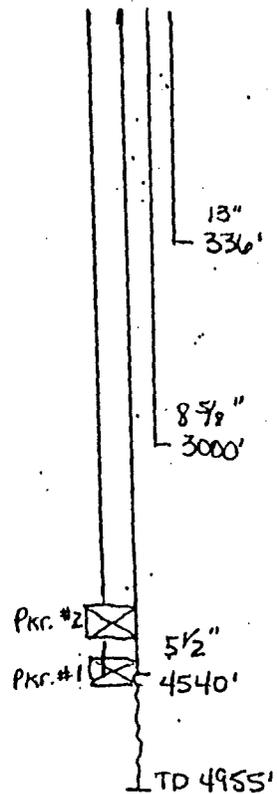
Size: 8 5/8 " Cemented with 400 SX
 TOC: 1774 feet determined by 50% calc
 Hole Size: 10 1/4"

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
(material)
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

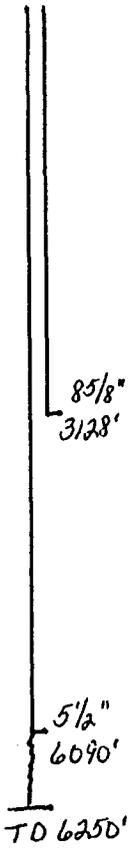
- Name of the injection formation San Andres
- Name of Field or Pool (If applicable) Lovington San Andres
- Is this a new well drilled for injection? No
 If no, for what purpose was the well originally drilled? Production
- Has the well ever be perforated in any other zone(s)? List all such perforated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

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 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: 4220 feet determined by temp survey
 Hole size:

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

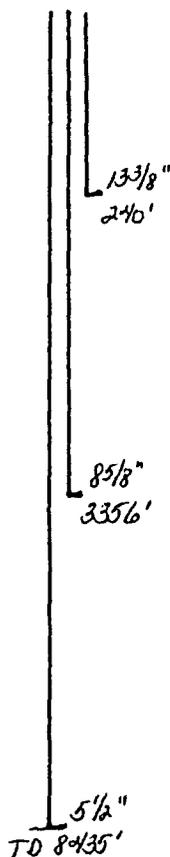
INJECTION WELL DATA SHEET

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 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 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

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

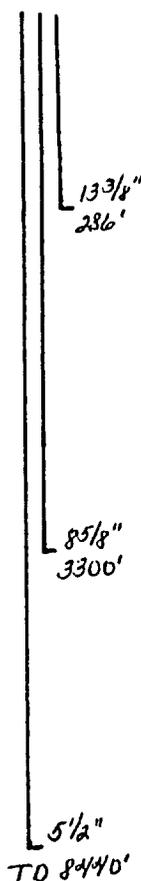
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INJECTION WELL DATA SHEET

| | | | | |
|----------|----------------------|--------------|----------|-------|
| Penroc | | C. S. Caylor | | |
| OPERATOR | | LEASE | | |
| 3 | 660' FNL & 3393' FEL | 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 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

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

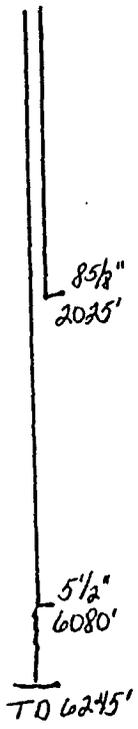
INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|----------------------|-------------------|----------|-------|
| Greenhill Petroleum Corporation | | Lovington Paddock | | |
| OPERATOR | | LEASE | | |
| #51 | 3540' FEL & 480' FNL | 6 | 17S | 37E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Completion
9-23-53

Converted to
Injection 12/66



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 275 SX
 TOC: 4050 feet determined by 70% calc
 Hole size:

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

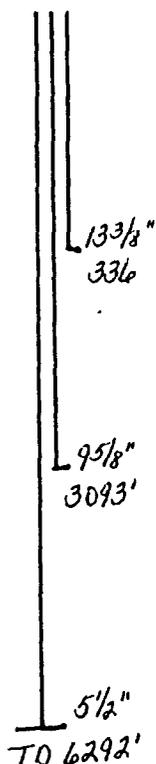
- Name of the injection formation: Paddock
- Name of Field or Pool (If applicable) Paddock
- Is this a new well drilled for Injection? No
If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and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

Intermediate Casing

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

Long String

Size: 5-1/2" Cemented with 500 SX
 TOC: 4100 feet determined by temp survey
 Hole size:

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
-
- 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 | SEG. | 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: 9 5/8 " Cemented with 500 SX
 TOC: 1956 feet determined by 50% calc
 Hole Size: 12"

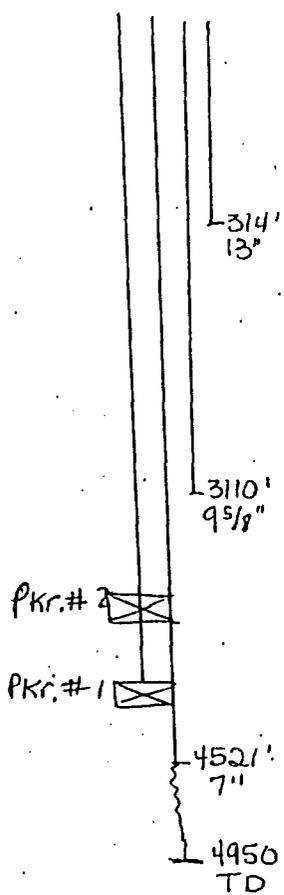
Long String

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

| | | | | |
|--------------|---------------------|-------------|----------|-------|
| Amerada Hess | | State L "A" | | |
| OPERATOR | LEASE | | | |
| 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 Hole size: 17-1/2"
 280
 Intermediate Casing
 Size: 8-5/8 " Cemented with 1000 SX
 TOC: 3063 feet determined by 50% calc
 8 5/8 Hole Size: 11"
 3198
 Long String
 Size: 5-1/2 " Cemented with 600 SX
 TOC: 4975 feet determined by temp survey
 5 1/2 Hole Size: 7-7/8"
 8342
 TD Total Depth: 8430'
 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

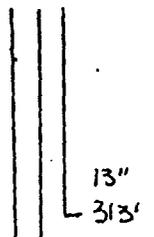
Greenhill Petroleum Corporation OPERATOR Lovington San Andres Unit LEASE

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

Tubular Data

Surface Casing

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



Intermediate Casing

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

Long String

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

Total Depth: 4900'

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 10/15/39

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation

Lovington Paddock

| | | | |
|----------|------------------|---------|----------------|
| OPERATOR | LEASE | | |
| #49 | 760 FNL | 660 FEL | |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP RANGE |

Tubular DataCompleted
8-18-53Converted to
Injection 12/66

| | |
|---|---------------------------------------|
| | <u>Surface Casing</u> |
| | Size: 13-3/8" Cemented with 300 SX |
| | TOC: Surface feet determined by calc |
| | Hole size: 17-1/2" |
| | <u>Intermediate Casing</u> |
| | Size: 8-5/8" Cemented with 1500 SX |
| | TOC: Surface feet determined by calc |
| | Hole size: 11" |
| | <u>Long String</u> |
| | Size: 5-1/2" Cemented with 550 SX |
| | TOC: 3019 feet determined by 80% calc |
| | Hole size: 7-7/8" |
| Total Depth: 6240' | |
| <u>Injection Interval</u> | |
| 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

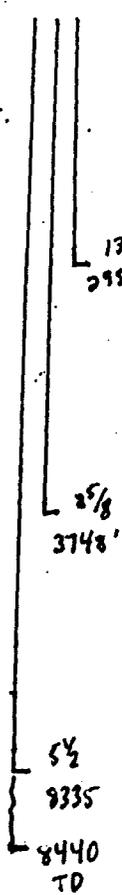
- Name of the injection formation: Paddock
- Name of Field or Pool (If applicable) Paddock
- Is this a new well drilled for Injection? No
If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and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

| | | | | |
|--------------|----------------------|------|----------|-------|
| Amerada Hess | State L "A" | | | |
| OPERATOR | LEASE | | | |
| 9 | 660' FNL & 1880' FEL | 1 | 17S | 36E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Completed
6-24-52



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: Surface feet determined by calc

Hole Size: 11"

Long String

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

TOC: 5597 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).

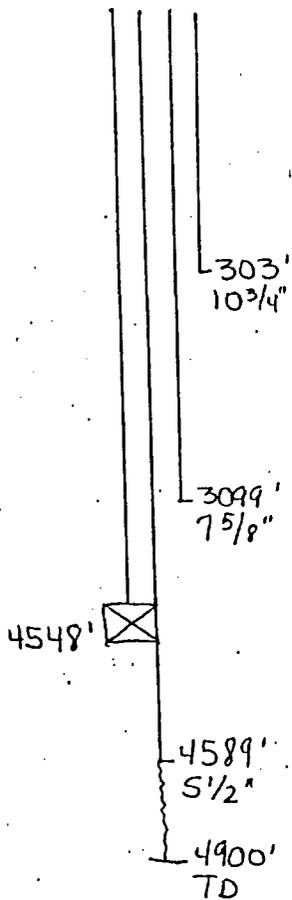
Other Data

- Name of the injection formation -
- Name of Field or Pool (If applicable) Lovington Abo
- Is this a new well drilled for injection? No
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

| | | | | |
|---------------------------------|---------------------------|------|----------|-------|
| 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: _____

Intermediate Casing

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

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

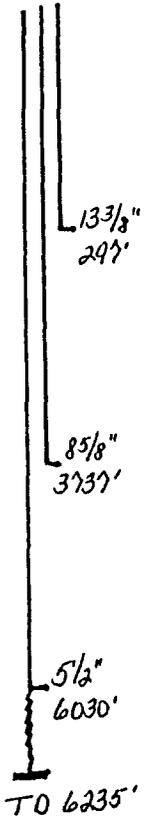
Tubular Data

Surface Casing

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

TOC: Surface feet determined by calc

Hole size:



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:

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
- 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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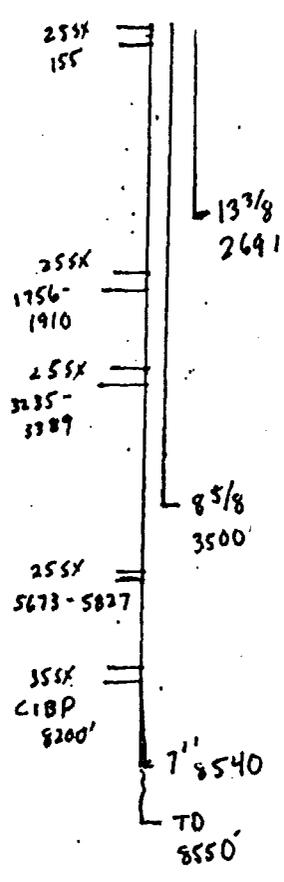
INJECTION WELL DATA SHEET

| | | | | |
|----------|----------------------|------|----------|-------|
| Amoco | State "E" TR 18 | | | |
| OPERATOR | LEASE | | | |
| 15 | 330' FNL & 2310" FWL | 1 | 17S | 36E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Completed
12-4-52

P&A'd
7-17-84



Surface Casing
 Size: 13-3/8 " Cemented with 275 SX
 TOC: Surface feet determined by calc
 Hole size: 17-1/2"

Intermediate Casing
 Size: 8-5/8 " Cemented with 500 SX
 TOC: 223 feet determined by 50% calc
 Hole Size: 12-1/4"

Long String
 Size: 5-1/2 " Cemented with 450 SX
 TOC: 1855 feet determined by temp survey
 Hole Size: 8-3/4"
 Total Depth: 8550'

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).

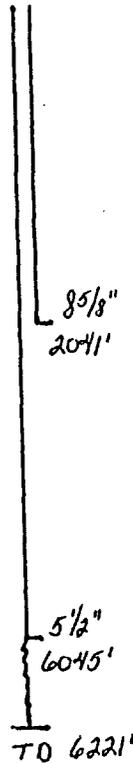
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.
Above Drinkard

INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|----------------------|-------------------|----------|-------|
| Greenhill Petroleum Corporation | | Lovington Paddock | | |
| OPERATOR | | LEASE | | |
| #47 | 1930' FWL & 660' FNL | 1 | 17S | 36E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Completed
9-04-54



Surface Casing

Size: 8-5/8" Cemented with 1000 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 182 SX

TOC: ⁴¹⁴⁷~~5053~~ feet determined by ^{TS}~~80% 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

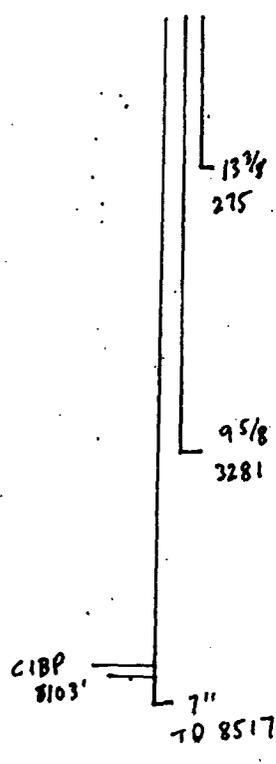
| | | | | |
|----------|---------------------|------|----------|-------|
| Amoco | State "E" TR 18 | | | |
| OPERATOR | LEASE | | | |
| 16 | 330' FNL & 990' FWL | 1 | 17S | 36E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Completed
2-25-53

P&A'd
4-26-84

CIBP set
@ 8103'
Pumped 15 sx
Set retainer
@ 4261'
Pumped 346 sx
Set retainer
@ 1326'
Pumped 900 sx
Spotted 15 sx
cement surface
plug



Surface Casing

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

Intermediate Casing

Size: 9-5/8 " Cemented with 300 SX
 TOC: 2050 feet determined by 50% calc
 Hole Size: 12-1/4"

Long String

Size: 7 " Cemented with 500 SX
 TOC: 4550 feet determined by temp survey
 Hole Size: 8-3/4"

Total Depth: 8517'

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).

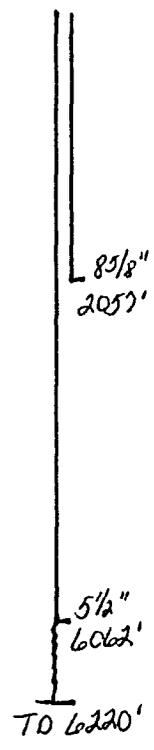
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.
Above Drinkard

INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|---------------------|-------------------|----------|-------|
| 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 calc
 Hole size:

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 temp 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

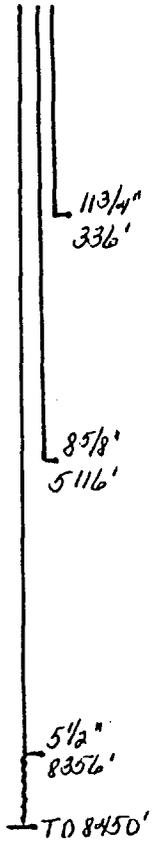
- Name of the injection formation:
 - Name of Field or Pool (If applicable) Paddock
 - Is this a new well drilled for Injection? No
If no, for what purpose was the well originally drilled? Production
 - Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give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

| | | | | |
|----------|---------------------|-----------------|----------|-------|
| 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

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

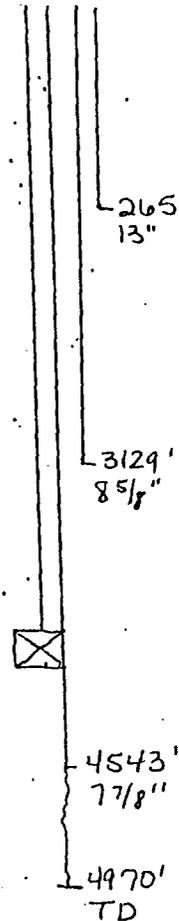
TOC: 2910 feet determined by 80% calc

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

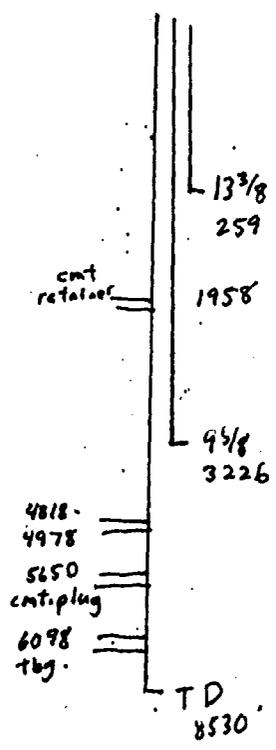
- Name of the injection formation San Andres
- Name of Field or Pool (If applicable) Lovington San Andres
- Is this a new well drilled for injection? No
If no, for what purpose was the well originally drilled? Production
- Has the well ever be perforated in any other zone(s)? List all such perforated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

| | | | | |
|----------|---------------------|------|----------|-------|
| Amoco | State "E" TR 18 | | | |
| OPERATOR | LEASE | | | |
| 18 | 330' FNL & 330' FEL | 2 | 17S | 36E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Completed
6-12-53
P&A'd 11-7-83



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: 2246 feet determined by 50% calc
 Hole Size: 12-1/4"

Long String
 Size: 7 " Cemented with 550+550 cu ft SX
 TOC: 553 feet determined by 80% calc
 Hole Size: 8-5/8"
 Total Depth: 8530'

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

Tubing size _____ lined with _____ set in a
 _____ (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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation

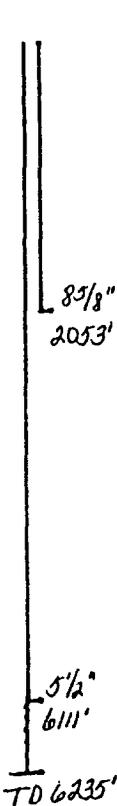
Lovington Paddock

| OPERATOR | LEASE | | |
|----------|---------------------|------|----------------|
| #45 | 660' FNL & 330' FWL | 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 calc

Hole size:

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 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 TOG: Surface feet determined by calc Hole size: 17"

Intermediate Casing

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

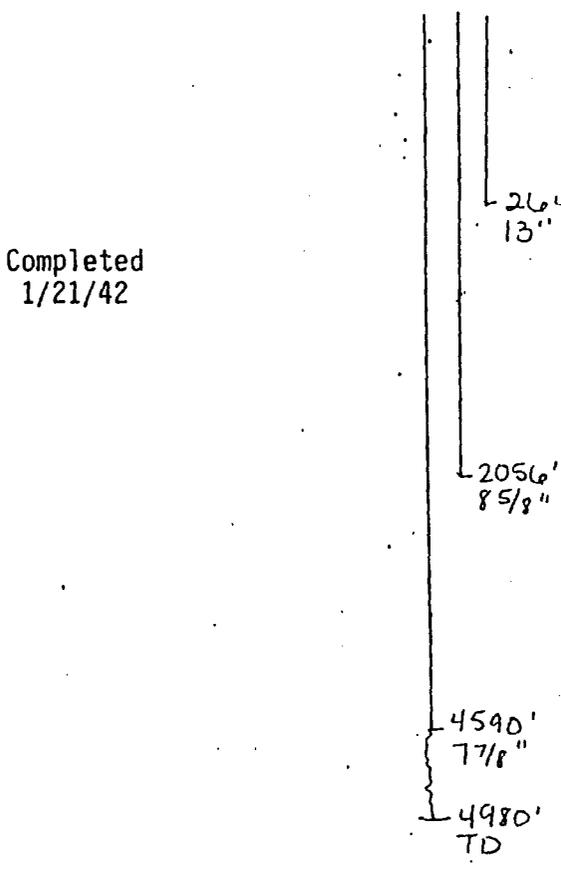
Long String

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

Total Depth: 4980'

Injection Interval

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



Completed 1/21/42

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 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

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

Tubular Data

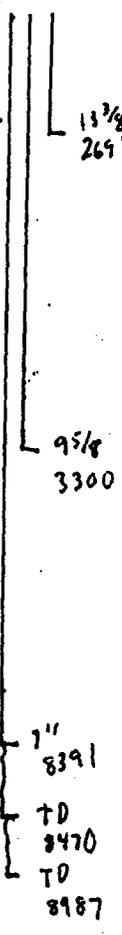
Completed 11-9-53
 Converted to SWD 3-9-79
 Deepened to 8987' 3-9-79

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

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

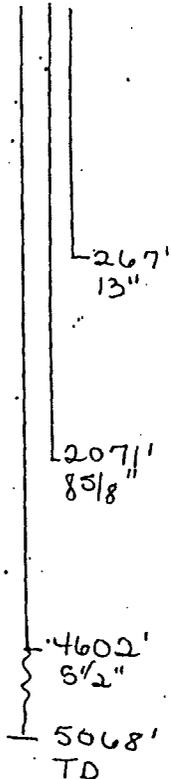
4602 - 5068 feet to _____ feet
 (perforated or open-hole, indicate which)

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

Completed
 8/19/43
 Converted to inj.
 3/31/63



INJECTION WELL DATA SHEET

122

Rice Engineering
Ohio Oil Company

State B 4286 "A"

| OPERATOR | LEASE |
|----------|----------------------|
| 1 | 2310' FWL & 990' FNL |
| 2 | 17S 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

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"

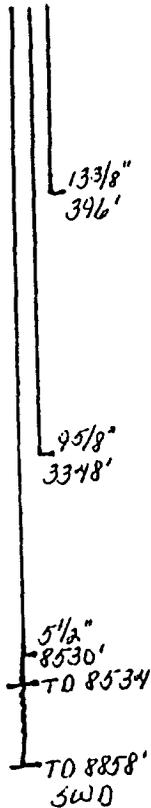
Total Depth: 8534'

Injection Interval

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

Completed
2-8-54

Rice Engrg.
Deepened to
8858' &
Converted to
a SWD Well



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

Other Data

- Name of the injection formation: NA
 - Name of Field or Pool (If applicable) Lovington
 - Is this a new well drilled for Injection?
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 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.
-

INJECTION WELL DATA SHEET

| | | | | |
|---------------------------|---------------------|-------------------|-----------|-------|
| Greenhill Petroleum Corp. | | Lovington Paddock | | |
| OPERATOR | | LEASE | | |
| 85 | 1590 FWL & 1417 FWL | Sec. 1 | T17S-R36E | |
| WELL NO. | FOOTAGE LOCATION | SEG. | 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 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 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? 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) Glorieta

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'

Surface Casing
Size: 13-3/8" Cemented with 275 SX
TOC: Surface feet determined by calc
Hole size:
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 perlite
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 packer at 8272 feet.

Other Data

- 1. Name of the injection formation Abo
2. Name of Field or Pool (If applicable) Lovington Abo
3. Is this a new well drilled for injection? No 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 Drinkard

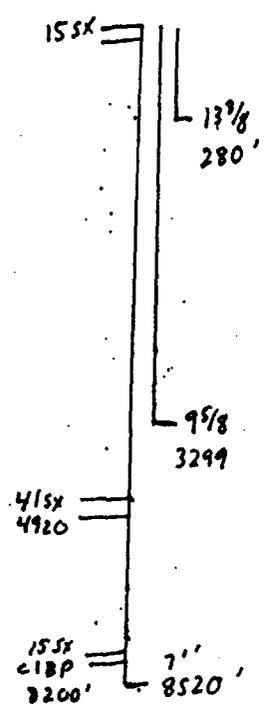
INJECTION WELL DATA SHEET

| | | | | |
|----------|----------------------|---------------|----------|-------|
| Penroc | | State E TR 18 | | |
| OPERATOR | | LEASE | | |
| 20 | 1650' FNL & 330' FEL | 2 | 17S | 36E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Completed
9-24-53

P&A'd
4-9-84



Surface Casing
 Size: 13-3/8 " Cemented with 265 SX
 TOC: Surface feet determined by 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: 2138 feet determined by calc
 Hole Size: 8-3/4"
 Total Depth: 8525'

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

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

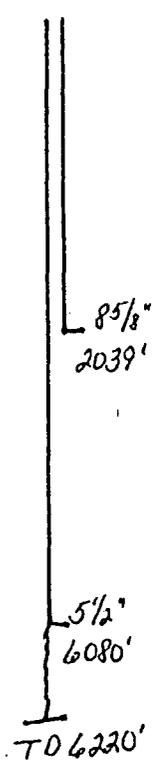
Other Data

- Name of the injection formation No
- 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 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

INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|----------------------|-------------------|----------|-------|
| Greenhill Petroleum Corporation | | Lovington Paddock | | |
| OPERATOR | | LEASE | | |
| #61 | 990' FWL & 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:

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

Long String
 Size: 5-1/2" Cemented with 220 SX
 TOC: ~~4490~~³⁷⁰⁰ feet determined by ~~80% calc~~^{temp survey}
 Hole size: 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
- 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

| | | | | | |
|----------|-----------------------|-----------------|----------|-------|--|
| 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 50% 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'

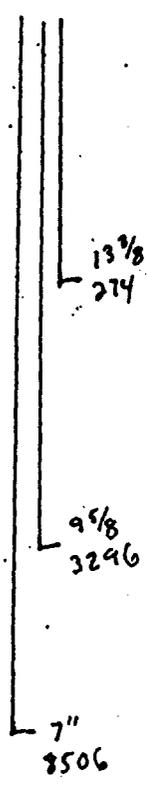
Injection Interval

- 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

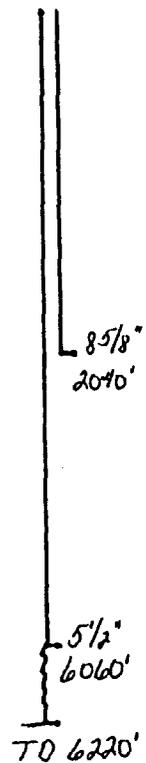


INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|-----------------------|-------------------|----------|-------|
| 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 calc

Hole size:

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 survey

Hole size:

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 San Andres | | |
| OPERATOR | | LEASE | | |
| #41 | 1980' FNL & 1980' FEL | 1 | 17S | 36E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

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 250 SX
 TOC: 2332 feet determined by calc
 Hole Size: 11"

Long String

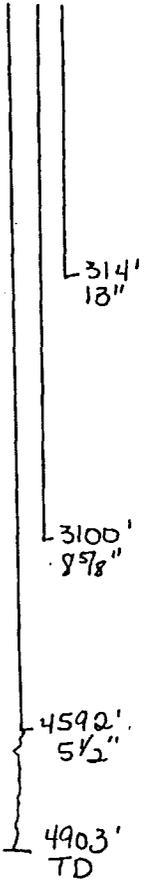
Size: 5-1/2 " Cemented with 200 SX
 TOC: 3501 feet determined by calc
 Hole Size: 7-7/8"

Total Depth: 4903

Injection Interval

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

Completed
9-22-39



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 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

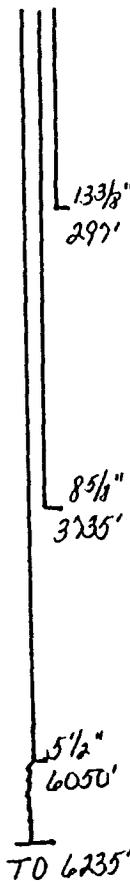
Lovington Paddock

| OPERATOR | | LEASE | | |
|----------|-----------------------|-------|----------|-------|
| #59 | 1650' FNL & 1980' FEL | 1 | 17S | 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

Hole size:

Intermediate Casing

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

Hole size:

Long String

Size: 5-1/2" Cemented with 550 SX
TOC: 3054 feet determined by 80% calc

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

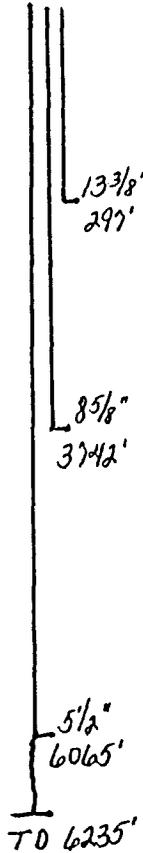
- Name of the injection formation: Paddock
- Name of Field or Pool (If applicable) Paddock
- Is this a new well drilled for Injection? No
If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and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

Hole size:

Intermediate Casing

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

TOC: 588 feet determined by temp survey

Hole size:

Long String

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

TOC: 3795 feet determined by temp survey

Hole size:

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

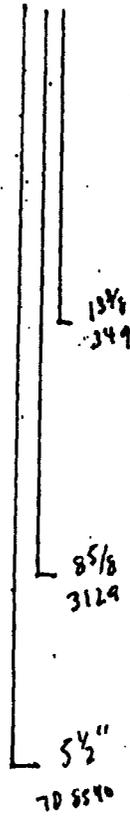
- Name of the injection formation:
- Name of Field or Pool (If applicable) Paddock
- Is this a new well drilled for Injection? No
If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging details (sacks of cement or bridge plug(s) used).
No
- 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 | | |
| # 57 | 1980' & 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: _____

Intermediate Casing

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

Long String

Size: 5-1/2 " Cemented with 550 SX
 TOC: 5454 4820 feet determined by TS
 Hole Size: _____

Total Depth: 8450

Injection Interval

6018
~~6020~~ ~~5420~~ feet to 6187 feet
 (perforated or open-hole, indicate which)

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

Other Data

- 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

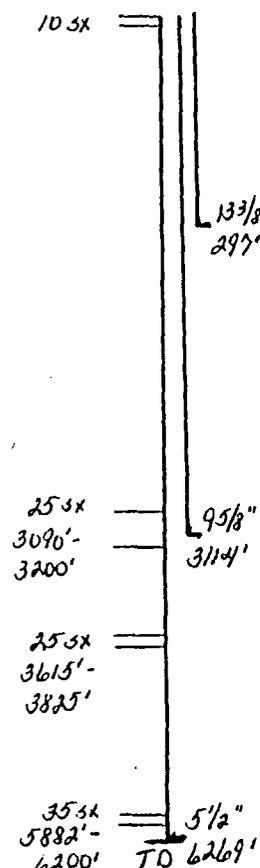
INJECTION WELL DATA SHEET

| | | | | |
|-----------------|----------------------|-----------|----------|-------|
| Sun Oil Company | | M. Caylor | | |
| OPERATOR | | LEASE | | |
| 6 | 902' FWL & 1980' FNL | 6 | 17S | 37E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Completed
10-15-53

P&A'd 3-9-70



Surface Casing

Size: 13-3/8" Cemented with 300 SX
TOC: Surface feet determined by calc
Hole size: 18"

Intermediate Casing

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

Long String

Size: 5-1/2" Cemented with 450 SX
TOC: 3270 feet determined by temp survey
Hole size: 7-7/8"

Total Depth: 6269'

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

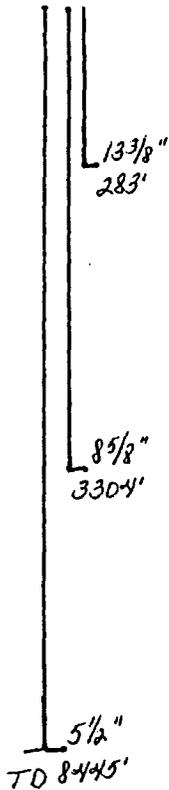
- Name of the injection formation:
 - Name of Field or Pool (If applicable) Lovington Paddock
 - Is this a new well drilled for Injection? No
If no, for what purpose was the well originally drilled? Production
 - Has the well ever been perforated in any other zone(s)? List all such perforated intervals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

| | | | | |
|----------|-----------------------|--------------|----------|-------|
| 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

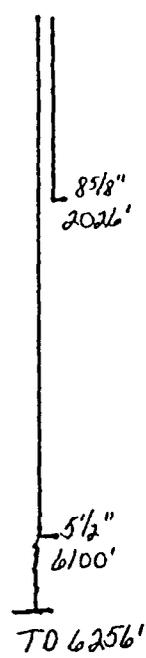
- Name of the injection formation:
 - Name of Field or Pool (If applicable) Lovington Abo
 - Is this a new well drilled for Injection? No
 If no, for what purpose was the well originally drilled? Production
 - Has the well ever been perforated in any other zone(s)? List all such perforated intervals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

| | | | | |
|---------------------------------|-----------------------|-------------------|----------|-------|
| 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:

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

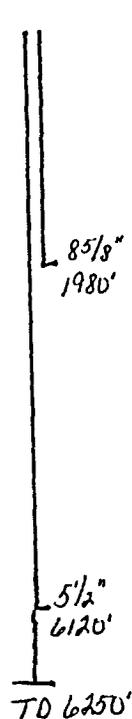
- Name of the injection formation:
- Name of Field or Pool (If applicable) Paddock
- Is this a new well drilled for Injection? No
If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation

Lovington Paddock

| OPERATOR | FOOTAGE LOCATION | | LEASE | TOWNSHIP | RANGE |
|----------|-----------------------|--|-------|----------|-------|
| #55 | 1879' FNL & 2248' FEL | | 6 | 17S | 37E |
| WELL NO. | FOOTAGE LOCATION | | SEC. | TOWNSHIP | RANGE |

Tubular DataCompletion
6-20-53Converted to
Injection 1/71Surface Casing

Size: 8-5/8" Cemented with 1595 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: 3971 feet determined by 80% calc

Hole size:

Total Depth: 6250'

Injection Interval6120 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

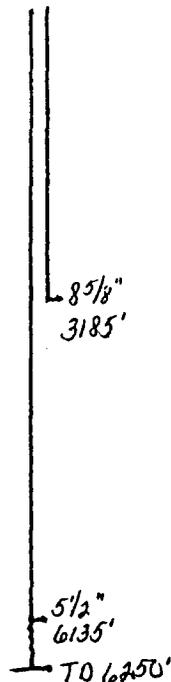
- Name of the injection formation: Paddock
- Name of Field or Pool (If applicable) Paddock
- Is this a new well drilled for Injection? No
If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and 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 | FOOTAGE LOCATION | | LEASE | TOWNSHIP | RANGE |
|----------|------------------|----------------|-------|----------|-------|
| #54 | 1650' | FNL & 660' FEL | 6 | 17S | 37E |
| WELL NO. | FOOTAGE LOCATION | | SEC. | TOWNSHIP | RANGE |

Tubular DataSpud Date
2-6-54Surface Casing

Size: 8-5/8" Cemented with 1595 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 435 SX

TOC: 3537 feet determined by temp survey

Hole size:

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

Tidewater Oil Company

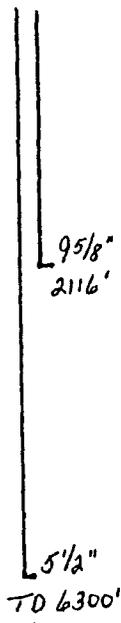
H. L. Batton "A"

| OPERATOR | | LEASE | | |
|----------|----------------------|-------|----------|-------|
| I | 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

Samedan Oil Corp. OPERATOR Caylor LEASE

1 WELL NO. 330 Feet South of North Line 330 Feet East of West Line of SE 1/4 Sec. 6, T17S R37E FOOTAGE LOCATION SEC. TOWNSHIP RANGE

Tubular Data

Surface Casing

Size: 13" Cemented with 250 SX

TOC: Surface feet determined by circulation

Hole size: 15

Intermediate Casing

Size: 8 5/8" Cemented with 500 SX

TOC: _____ feet determined by _____

Hole Size: 10

Long String

Size: 5 1/2" Cemented with 200 SX

TOC: 2814 feet determined by 80% calc

Hole Size: 7

Total Depth: 5005

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 _____

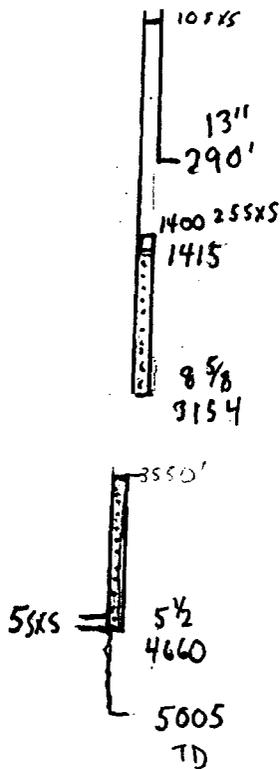
2. Name of Field or Pool (If applicable) _____

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

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.

P&A
10/25/39



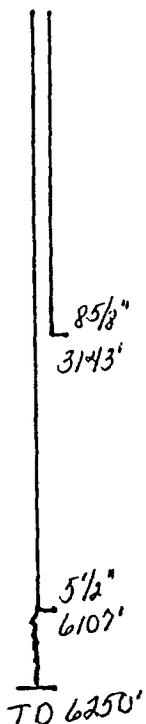
INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|-----------------------|-------------------|----------|-------|
| Greenhill Petroleum Corporation | | Lovington Paddock | | |
| OPERATOR | | LEASE | | |
| #68 | 1980' FSL & 1890' FWL | 6 | 17S | 36E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Completed
12-23-53

Converted to
Injection 12-66



Surface Casing

Size: 8-5/8" Cemented with 1475 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 400 SX
 TOC: 3928 feet determined by 80% calc
 Hole size: 7-5/8"
 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 6039 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 | | |
| OPERATOR | | LEASE | | |
| #50 | 1980' FSL & 660' FWL | 6 | 17S | 37E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

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"

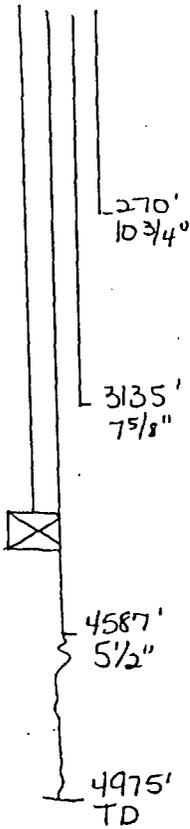
Long String

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)

Completed
10-2-39



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

| | | | | |
|----------|----------------------|-------|----------|-------|
| OPERATOR | | LEASE | | |
| #67 | 2210' FSL & 660' FWL | 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

13 3/8" Hole size:

Intermediate Casing

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

TOC: 2497 feet determined by 70% calc

9 5/8" Hole size:
3289'

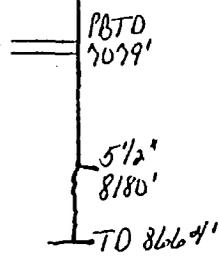
Long String

Size: 5-1/2" Cemented with 810 SX

TOC: 4525 feet determined by temp survey

5 1/2" Hole size:
8180'

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

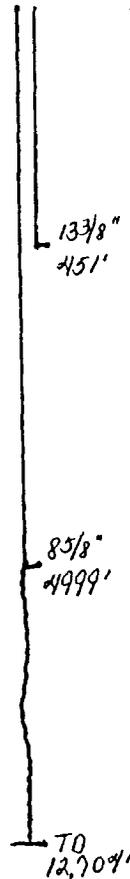
INJECTION WELL DATA SHEET

| | | | | |
|----------|----------------------|-------------|----------|-------|
| 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



Surface Casing

Size: 13-3/8" Cemented with 450 SX
TOC: Surface feet determined by calc
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: Surface feet determined by 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

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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation

Lovington Paddock

OPERATOR

LEASE

#66

2080' FSL & 660' FEL

1

17S

36E

WELL NO.

FOOTAGE LOCATION

SEC.

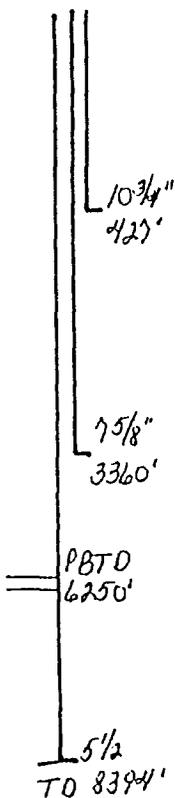
TOWNSHIP

RANGE

Tubular Data

Completed
4-16-53

Converted to
Injection 12/66



Surface Casing

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

TOC: Surface feet determined by calc

Hole size:

Intermediate Casing

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

TOC: Surface feet determined by calc

Hole size: 9-7/8"

Long String

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

TOC: Surface feet determined by 80% calc

Hole size: 6-3/4"

Total Depth: 8394'

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

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

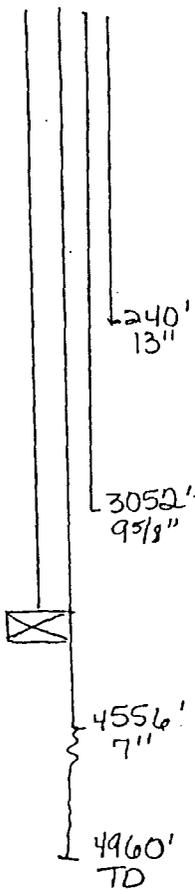
INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|----------------------|----------------------|----------|-------|
| Greenhill Petroleum Corporation | | Lovington San Andres | | |
| 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)

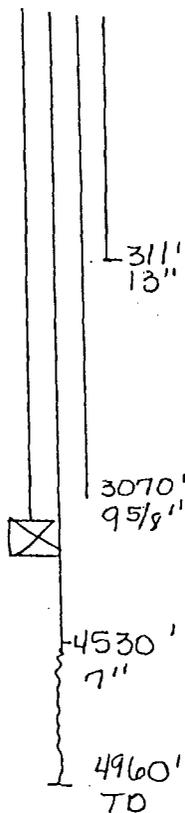
Tubing size 2-3/8" lined with IPC set in a
Baker Model AD-1 packer at 4417 feet.
(brand & model) (material)
(or describe any other casing-tubing seal).

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

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 DataCompleted
5-21-39Surface 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

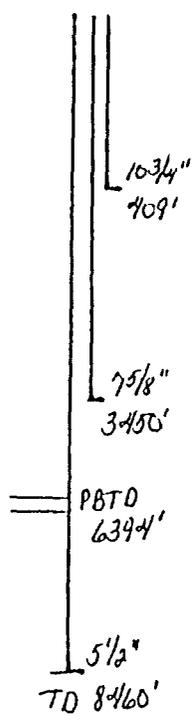
- Name of the injection formation San Andres
- Name of Field or Pool (IF applicable) Lovington San Andres
- Is this a new well drilled for injection? No
If no, for what purpose was the well originally drilled? Production
- Has the well ever be perforated in any other zone(s)? List all such perforated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

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



Surface Casing

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

Intermediate Casing

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

Long String

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

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

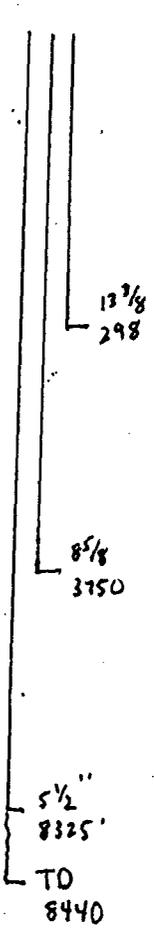
- Name of the injection formation:
- Name of Field or Pool (If applicable) Paddock
- Is this a new well drilled for Injection? No
If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging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

| | | | | |
|--------------|-----------------------|-------------|----------|-------|
| 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
- 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

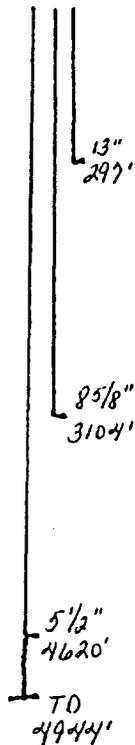
INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|-----------------------|----------------------|----------|-------|
| Greenhill Petroleum Corporation | | Lovington San Andres | | |
| OPERATOR | | LEASE | | |
| 47 | 1980' FNL & 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.

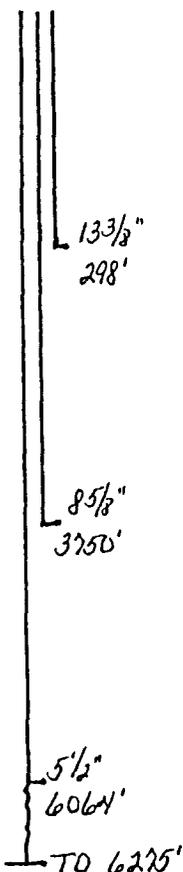
(Above) Grayburg

INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation

Lovington Paddock

| OPERATOR | LEASE | | |
|----------|-----------------------|------|----------------|
| #64 | 1980' FSL & 1880' FWL | 1 | 17S 36E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP RANGE |

Tubular DataCompleted
12-18-53Converted to
Injection 12/66Surface Casing

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

TOC: Surface feet determined by calc

Hole size:

Intermediate Casing

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

TOC: Surface feet determined by calc

Hole size:

Long String

Size: 5-1/2" Cemented with 550 SX

TOC: 3068 feet determined by 80% calc

Hole size: 7-7/8"

Total Depth: 6275'

Injection Interval6064 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.
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INJECTION WELL DATA SHEET

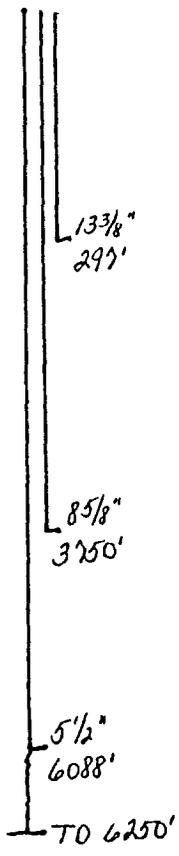
Greenhill Petroleum Corporation

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

Hole size:

Intermediate Casing

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

TOC: 879 feet determined by temp survey

Hole size:

Long String

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

TOC: 3364 feet determined by 80% calc

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

Tubular Data

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 feet determined by calc
 Hole Size: 6-3/4"
 Total Depth: 4946'

Injection Interval

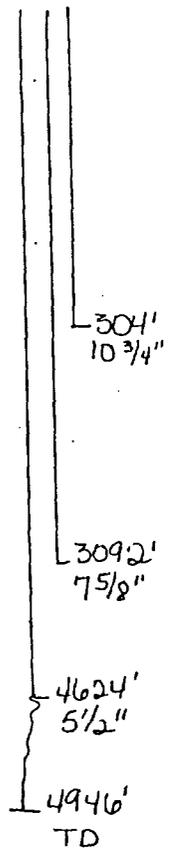
4624 feet to 4946 feet
 (perforated or open-hole, indicate which)

Tubing size 2" lined with IPC set in a
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

Completed
 12-7-41
 P&A'd
 5-22-87
 Quince 5 1/2" casing 2685-4150
 ith 200 S.S.
 cut 5 1/2" out 2400'
 Spot 70 S.S. 2450-2350
 Pump 480 S.S. Displaced down
 7 1/8 to 1000'

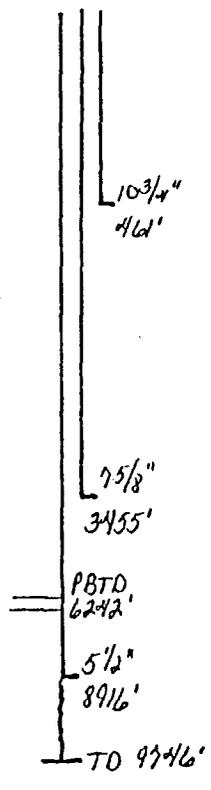


INJECTION WELL DATA SHEET

| | | | | |
|---------------------------------|----------------------|-------------------|----------|-------|
| 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



Surface Casing

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

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: Surface feet determined by 80% calc
 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).

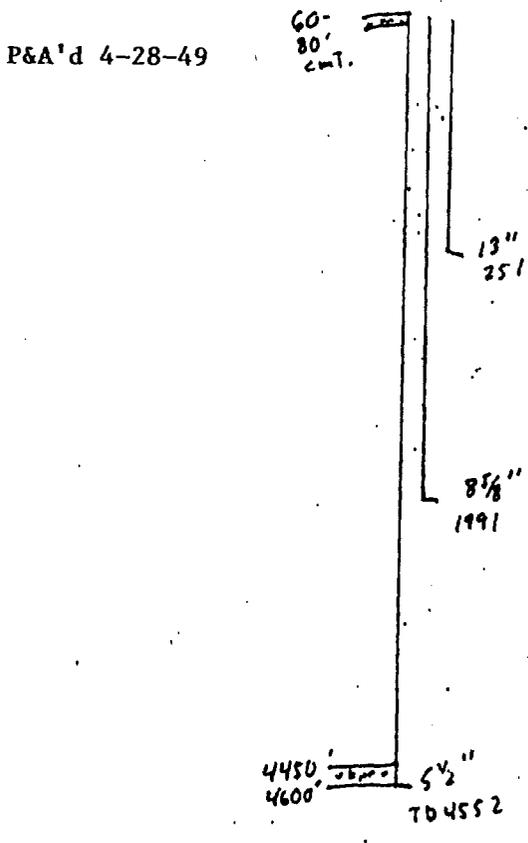
Other Data

- 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

| | | | | |
|----------------------------|---------------------|-----------|----------|-------|
| Magnolia Petroleum Company | | State "R" | | |
| OPERATOR | | LEASE | | |
| 3 | 660' FNL & 660' FEL | 2 | 17S | 36E |
| 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: _____

Intermediate Casing

Size: 8-5/8" Cemented with 600 SX
 TOC: _____ feet determined by _____
 Hole Size: _____

Long String

Size: 5-1/2" Cemented with 500 SX
 TOC: 1828 feet determined by 80% calc
 Hole Size: 7-7/8"

Total Depth: 4552'

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

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

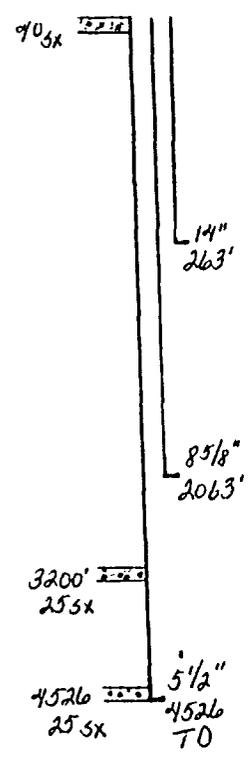
INJECTION WELL DATA SHEET

| | | | | |
|----------------------------|---------------------|-----------|----------|-------|
| Magnolia Petroleum Company | | State "R" | | |
| OPERATOR | | LEASE | | |
| 4DD | 660' FNL & 660' FEL | 2 | 17S | 36E |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

Completed
10-27-44

P&A'd 4-10-47



Surface Casing

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

Intermediate Casing

Size: 8-5/8" Cemented with 350 SX
 TOC: 991 feet determined by 50% calc
 Hole size:

Long String

Size: 5-1/2" Cemented with 250 SX
 TOC: 3164 feet determined by 80% calc
 Hole size: 7-7/8"

Total Depth: 4526'

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.
-

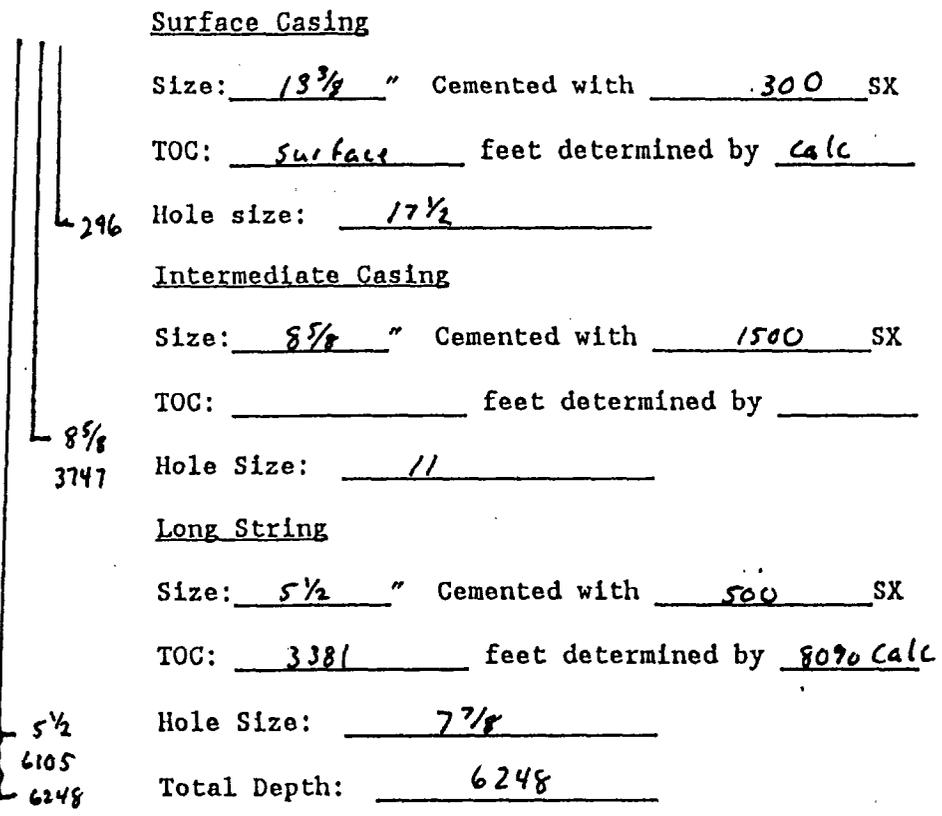
INJECTION WELL DATA SHEET

Greenhill Petroleum Corporation OPERATOR Lovington Paddock LEASE

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

Tubular Data

Completed
7/14/53
1/30/68
Converted
to injection



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: _____ feet determined by _____
Hole Size: 11

Long String
Size: 5 1/2 " Cemented with 500 SX
TOC: 3381 feet determined by 8090 Calc
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

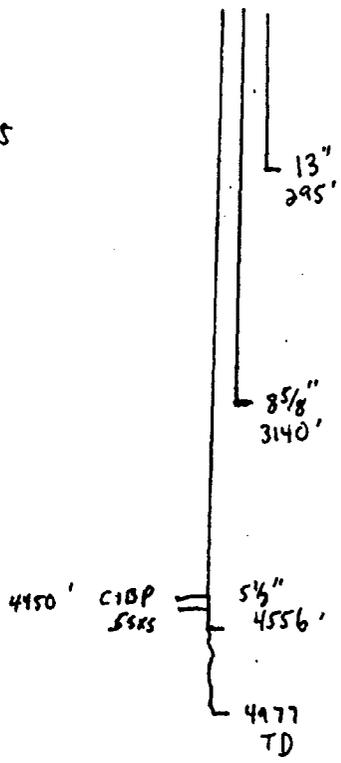
- Name of the injection formation Paddock
- Name of Field or Pool (If applicable) Paddock
- Is this a new well drilled for injection? No
If no, for what purpose was the well originally drilled? production
- Has the well ever be perforated in any other zone(s)? List all such perforated intervals and give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

INJECTION WELL DATA SHEET

| | | | | |
|-------------------------------|--------------------------|-----------------------|------------------|-------|
| <u>Penroc Oil Corporation</u> | | <u>State E TR. 17</u> | | |
| OPERATOR | | LEASE | | |
| <u>5</u> | <u>990 FSL i 660 FEL</u> | <u>1</u> | <u>7175 R36E</u> | |
| WELL NO. | FOOTAGE LOCATION | SEC. | TOWNSHIP | RANGE |

Tubular Data

TA - 10/1/49
TA - 4/20/65



Surface Casing

Size: 1 3 " Cemented with 200 SX
 TOC: Surface feet determined by circ.
 Hole size: 1 7

Intermediate Casing

Size: 8 5/8 " Cemented with 500 SX
 TOC: 1550 feet determined by 50% calc
 Hole Size: 1 1

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) 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

INJECTION WELL DATA SHEET

Greenhill Petroleum Corp. OPERATOR Louington Paddock LEASE

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

Tubular Data

Spnd 5/6/56

Surface Casing
 Size: 13 3/8 " Cemented with 1950 SX
 TOC: Surface feet determined by circulation
 Hole size: _____

Intermediate Casing
 Size: 8 5/8 " Cemented with 1950 SX
 TOC: Surface feet determined by calc.
 Hole Size: _____

Long String
 Size: 5 1/2 " Cemented with 560 SX
 TOC: 5019 feet determined by 80% calc
 Hole Size: _____
 Total Depth: 6300

13 3/8
358

Top of
liner
3269
8 5/8"
3390'

5 1/2"
TD 6300
560 SX
235 bottom
325 top

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

- 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 Corp. Lovington Paddock
 OPERATOR LEASE
70 660 FSL & 614 FWL 6 T17S R37E
 WELL NO. FOOTAGE LOCATION SEC. TOWNSHIP RANGE

Tubular Data

Surface Casing

Size: 8 5/8 " Cemented with 900 SX
 TOC: Surface feet determined by air.
 Hole size: 11

Intermediate Casing

Size: _____ " Cemented with _____ SX
 TOC: _____ feet determined by _____
 Hole Size: _____

Long String

Size: 5 1/2 " Cemented with 200 SX
 TOC: 4900' feet determined by temp survey
 Hole Size: 7 7/8
 Total Depth: 6250

Injection Interval

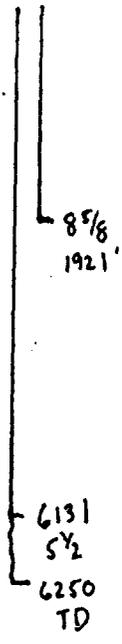
6131 feet to 6250 feet
 (perforated or open-hole, indicate which)

Tubing size 2 3/8 lined with IPC set in a
 _____ (material)
 _____ packer at 6093 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)

Completed
 8/3/53
 converted to
 injection 2/2/68



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
PBTB 7915 Perf 4600-4784'

13 3/8
244'
8 5/8
3253
7915
PBTB
5 1/2
8200
TD
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 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 Drinkard

INJECTION WELL DATA SHEET

obtain more info

Oryx Energy Company

Maggie Caylor

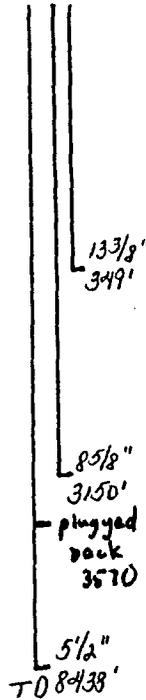
| | | | | | | |
|----------|---------------------|--|-------|----------|-------|-----|
| OPERATOR | 660' FNL & 665' FWL | | LEASE | 6 | 17S | 37E |
| 3 | | | | | | |
| WELL NO. | FOOTAGE LOCATION | | SEC. | TOWNSHIP | RANGE | |

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



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 1200 SX

TOC: Surface feet determined by calc

Hole size: 11"

Long String

Size: 5-1/2" Cemented with 410 SX

TOC: ~~6057~~ ³¹¹⁷ feet determined by ~~80% calc~~ ^{temp survey} 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

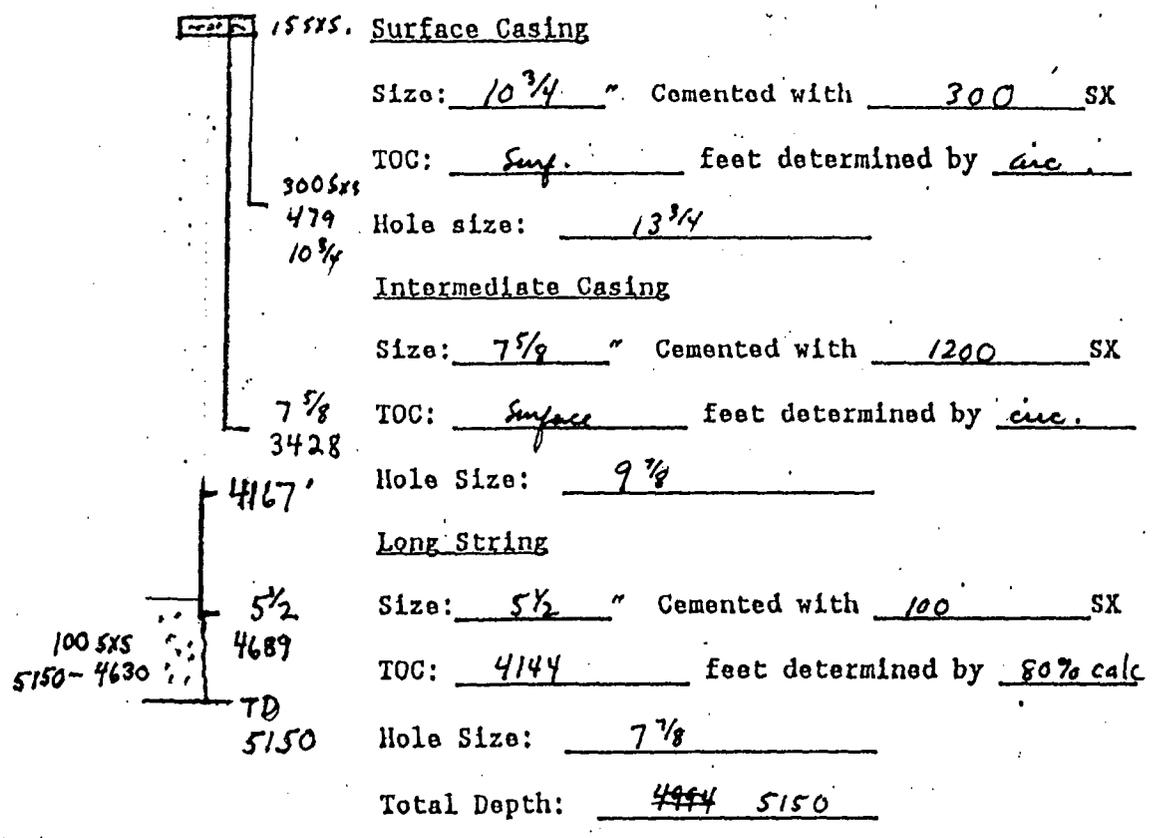
INJECTION WELL DATA SHEET

Tide Water Associated Oil Co. H.T. Monteith
 OPERATOR LEASE

1 NESW 25 T16S R 36E
 WELL NO. FOOTAGE LOCATION SEC. TOWNSHIP RANGE

Tubular Data

P&A
6/10/48



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) San Andres
- Is this a new well drilled for injection? _____
 If no, for what purpose was the well originally drilled? production
- Has the well ever be perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used).

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