

APPLICATION FOR AUTHORIZATION TO INJECT WDQSU #35

- I. Purpose: ☒ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? ☒ yes ☐ no
- II. Operator: Sirgo-Collier, Inc.
Address: P. O. Box 3531, Midland, Texas 79702
Contact party: Victor Sirgo-Engineer Phone: (915) 685-0878
- 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-2356
- 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: Amy L. Whitley Title: Agent
- Signature: Amy L. Whitley Date: December 9, 1987
- * 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.

RECEIVED

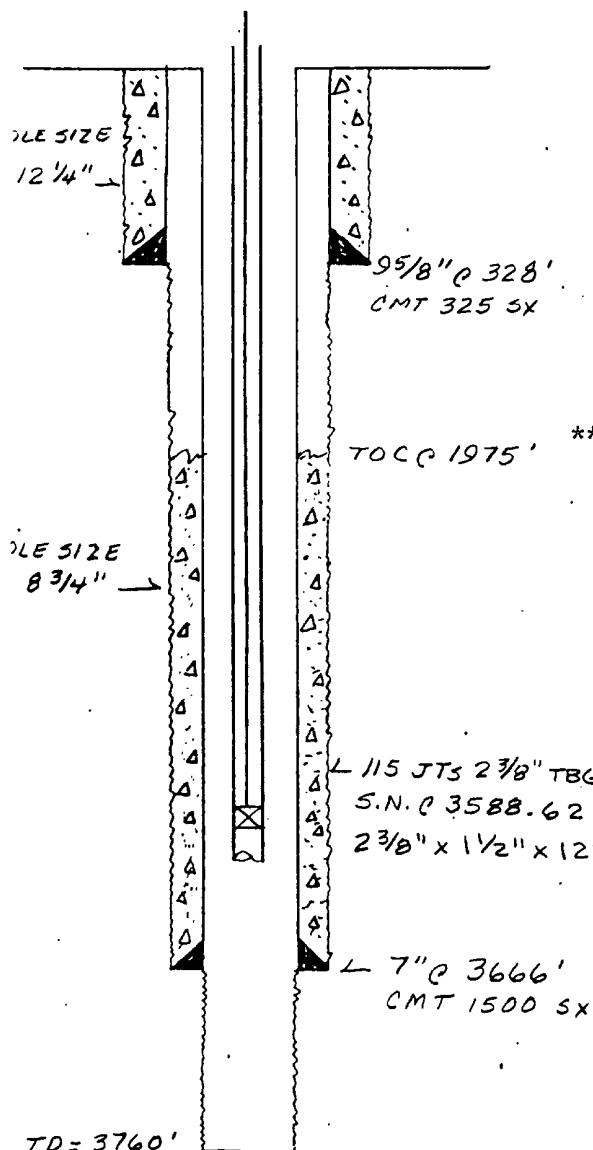
DEC 11 1987

CCO
HOBBS OFFICE

INJECTION WELL DATA SHEET

OPERATOR		LEASE		
Sirgo-Collier, Inc.		West Dollarhide Queen Sand Unit		
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
35	1980 FSL 1650 FEL	31	24-S	38-E

Schematic



Tabular Data

Surface Casing

Size 9-5/8 " Cemented with 325 sx.TOC surface feet determined by circulationHole size 12-1/4"

Intermediate Casing

Size 7 " Cemented with 1500 sx.TOC 1975 feet determined by ?Hole size 8-3/4"

** Long string

Size 4-1/2 " Cemented with 400 sx.TOC surface feet determined by circulationHole size 6-1/8"Total depth 3960'

Injection interval

3590 feet to 3780 feet(perforated or ~~open hole~~, indicate which)L 115 JTS 2 3/8" TBG
S.N. C 3588.621

2 3/8" x 1 1/2" x 12' PUMP

** New casing that will be run when well is deepened.

L 7" C 3666'
CMT 1500 SX

TD = 3760'

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

(material)

Baker AD-1

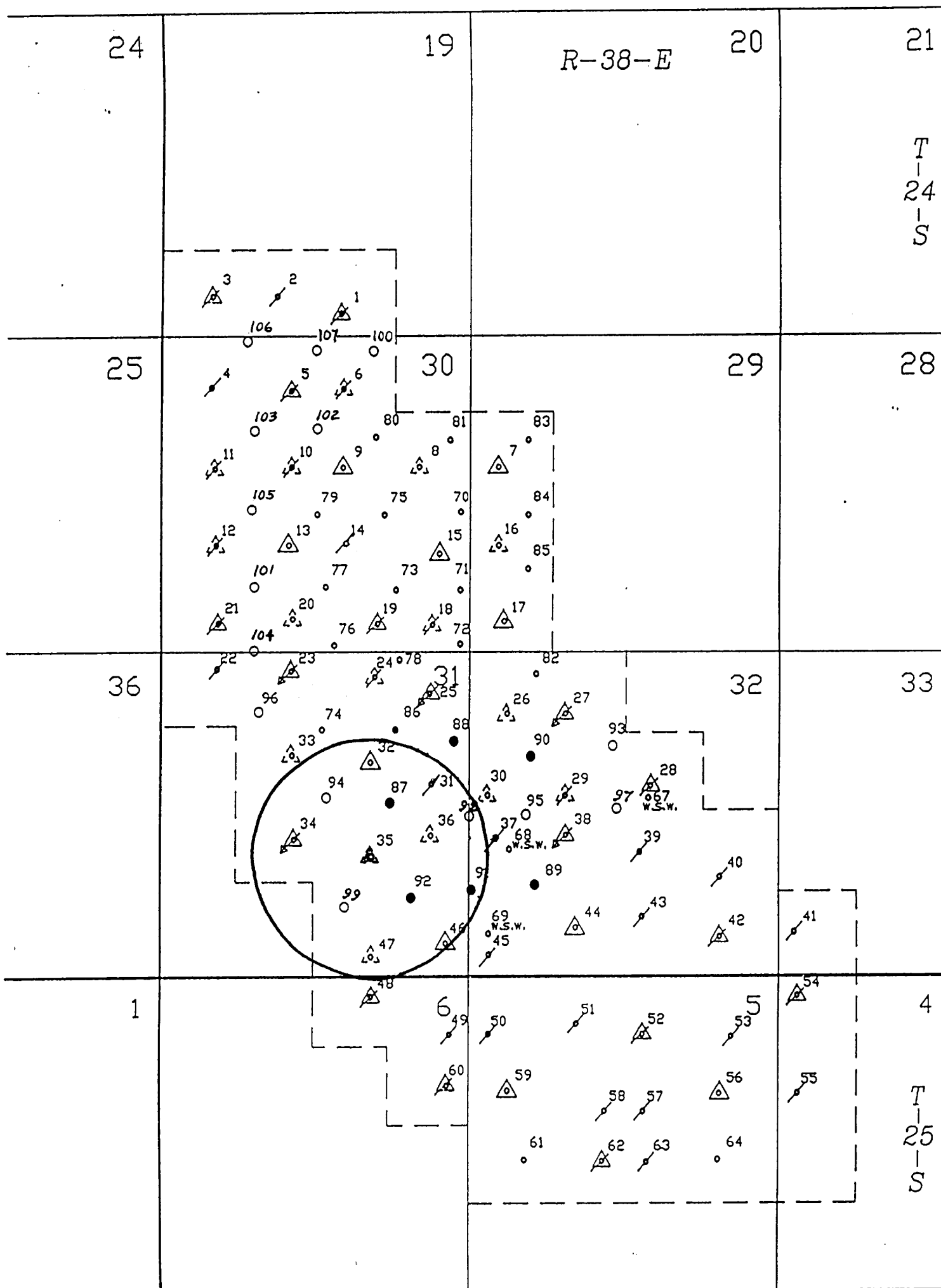
(brand and model)

packer at 3500 feet

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation Queen2. Name of Field or Pool (if applicable) Dollarhide Queen3. Is this a new well drilled for injection? ☐ Yes ☒ NoIf no, for what purpose was the well originally drilled? Producer4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Drinkard @ 6580', Devonian @ 7500', Fusselman @ 8610', Ellenburger @ 10,180'



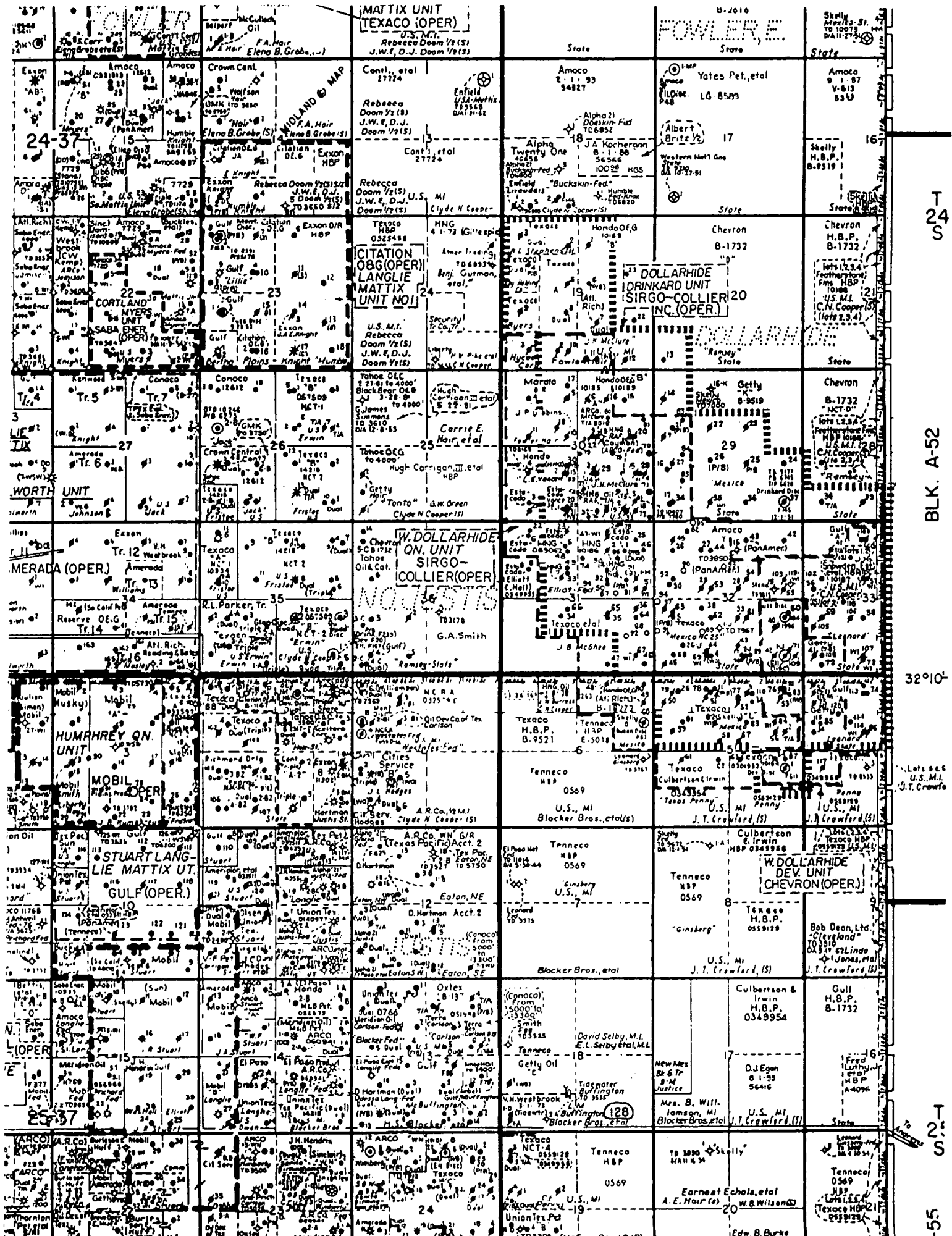
Scale 1 Mile

MAP LEGEND

- Producer
 - Location
 - △ Injector
 - △ Active Injector
 - △ Abandoned Producer
 - △ Abandoned Injector
 - △ Proposed Injector
- T. SCOTT HICKMAN & ASSOCIATES, INC.
Petroleum Consultants

WEST DOLLARHIDE QUEEN SAND UNIT
Lee County, New Mexico

RECEIVED
DEC 11 1987
OCCD
HOBBS OFFICE



T 24 S
BLK. A-52

32°10'

T 2 S
BLK. A-52

WEST DOLLARHIDE QUEEN SAND UNIT

DATA TABULATION SHEET

Well Number: 30

Type Well: Producer

Construction: 8-5/8" 28.5# @ 298', cmt 150 sx, circ to surface
 5-1/2" 14# @ 3580', cmt 300 sx, top at 1150' by temp. survey
 Sirgo-Collier, Inc. plans to deepen and run 4-1/2" to TD and cement to surface by April 1, 1988.

Date Drilled: 3770'

Location: 2310 FNL 330 FWL, Sec. 32, T24S, R38E, Lea County, NM

Depth: 3770'

Completion Record: Sand-oil frac
 2-3/8" tubing @ 3572'

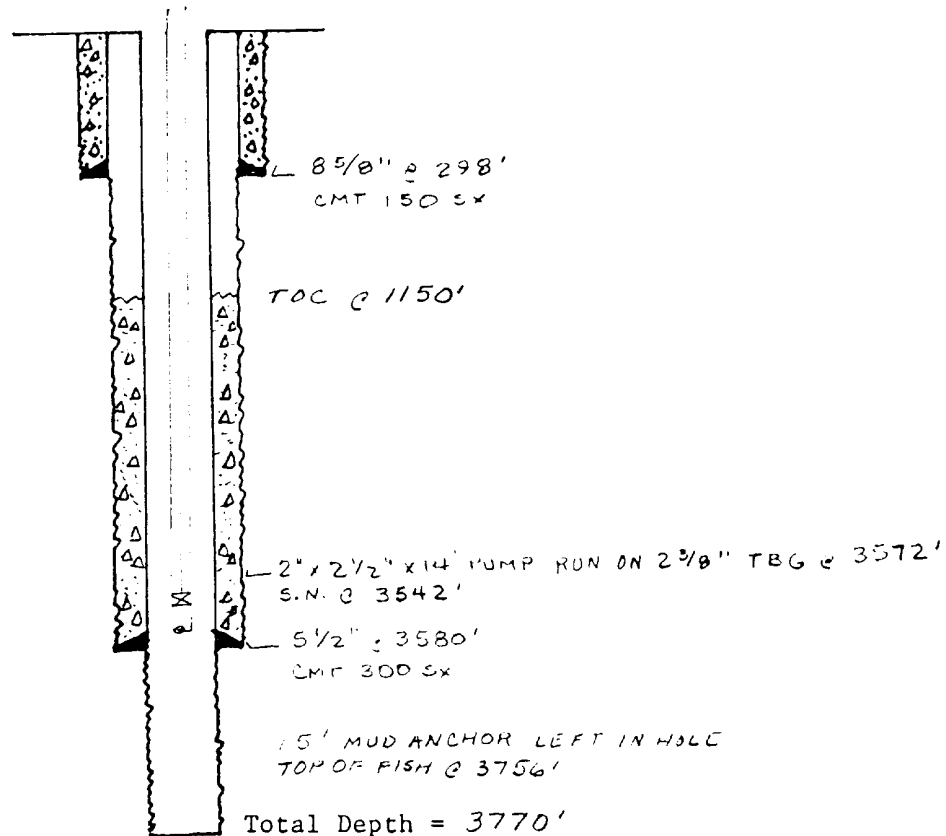
Plugging and Abandonment Date (if applicable):

Schematic

Hole size = 11"

Hole size = 7 7/8"

Hole size =



RECEIVED
DEC 11 1987
OCD
HOBBS OFFICE

WEST DOLLARHIDE QUEEN SAND UNIT

DATA TABULATION SHEET

Well Number: 31

Type Well: Producer

Construction: 10-3/4" 32.75# @ 206', cmt 175 sx, circ to surface
5-1/2" 14# @ 3560', cmt 400 sx, top @ 1825'

Date Drilled: 9-22-52

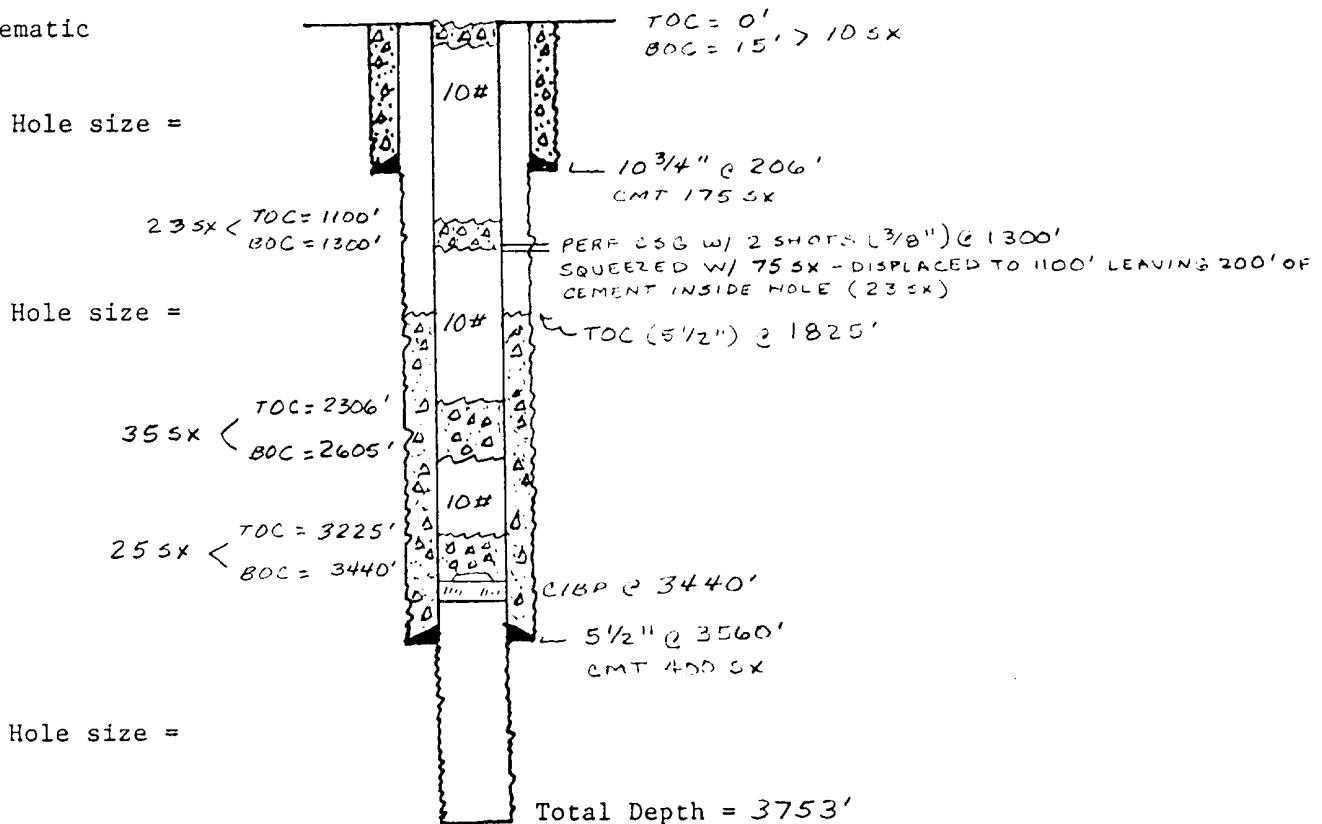
Location: 2310 FNL 660 FEL, Sec. 31, T24S, R38E, Lea County, NM

Depth: 3753'

Completion Record: Acidize and sand-oil frac
Pull rods and tubing, set CIBP @ 3440', plug and abandon

Plugging and Abandonment Date (if applicable): 2-6-74

Schematic



WEST DOLLARHIDE QUEEN SAND UNIT

DATA TABULATION SHEET

Well Number: 32

Type Well: Producer, convert to WIW 2-5-64

Construction: 9-5/8" 32.75# @ 196', cmt 150 sx, circ to surface
 5-1/2" 15.5# @ 3672', cmt 1050 sx, top @ 1560'
 Sirgo-Collier, Inc. plans to deepen and run 4-1/2" to TD and cement to surface by April 1, 1988.

Date Drilled: 12-4-52

Location: 1980 FNL 1650 FEL, Sec. 31, T24S, R38E, Lea County, NM

Depth: 3748'

Completion Record: Acidize and sand-oil frac
 2-3/8" 8rd J55 tubing @ 3596'
 5-1/2" x 2" Halliburton R-3 tension type packer @ 3598'

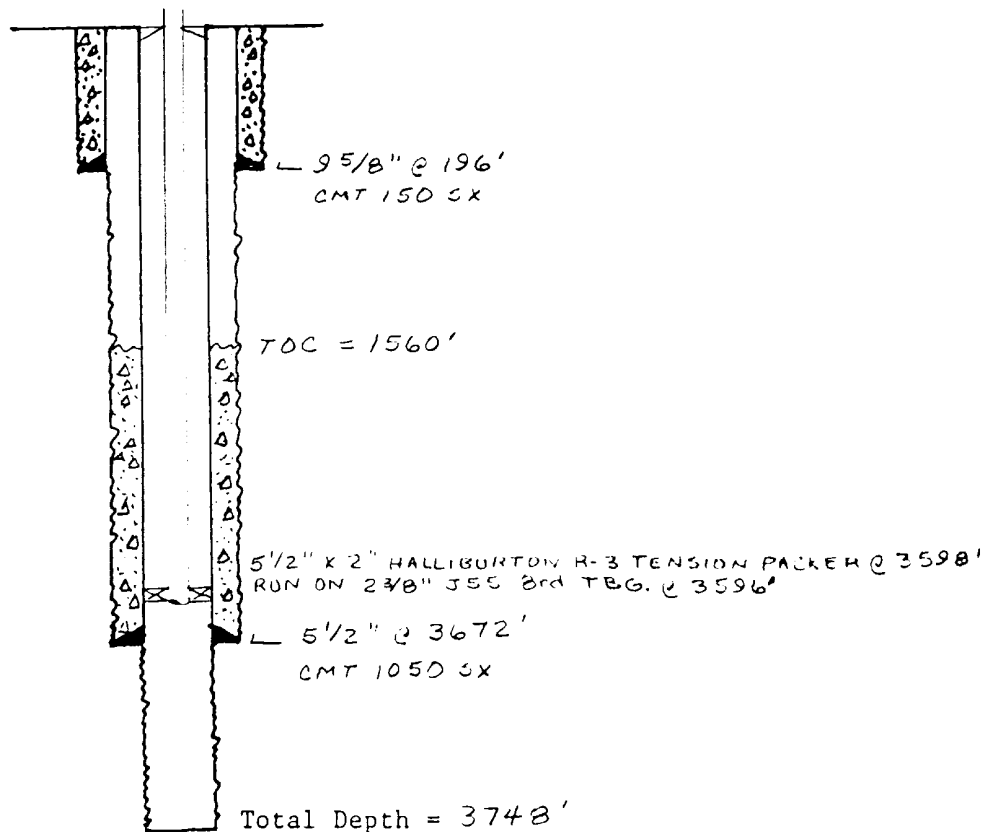
Plugging and Abandonment Date (if applicable):

Schematic

Hole size =

Hole size =

Hole size =



WEST DOLLARHIDE QUEEN SAND UNIT

DATA TABULATION SHEET

Well Number: 33

Type Well: Producer

Construction: 10-3/4" @ 211', cmt 150 sx, circ. to surface
7" @ 3670', cmt 650 sx, top at 1780'

Date Drilled: 12-9-53

Location: 1750' FNL 2310' FWL, Sec. 31, T24S, R38E

Depth: 3735'

Completion Record: Perf 3629-34', 3655-59', 3608-68' (6-15-82)
2-3/8" tubing at 3581'

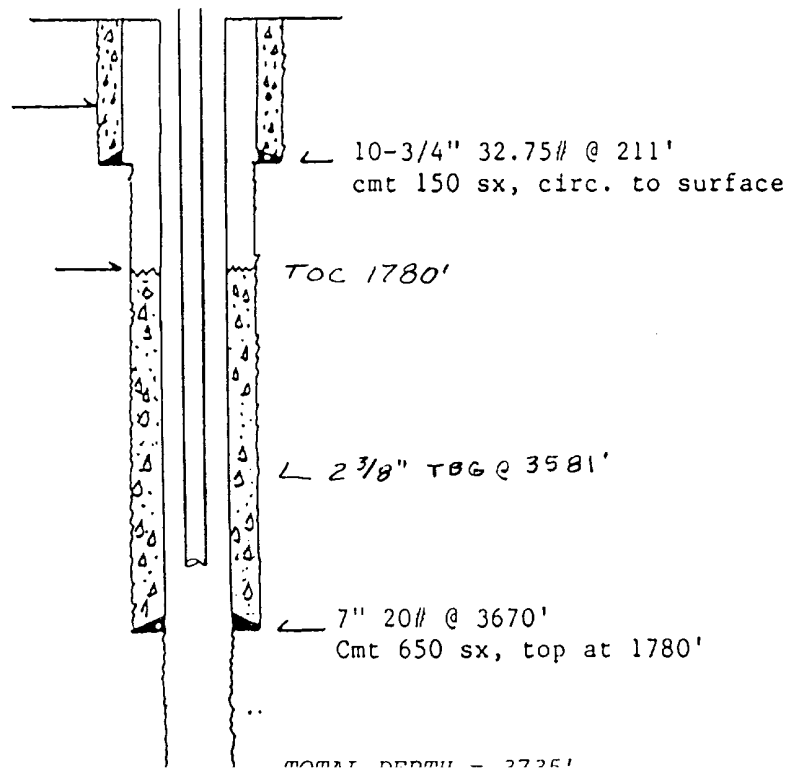
Plugging and Abandonment Date (if applicable):

Schematic:

HOLE SIZE =

HOLE SIZE =

HOLE SIZE =



RECEIVED
DEC 11 1937
OCC
HOBBS OFFICE

WEST DOLLARHIDE QUEEN SAND UNIT

DATA TABULATION SHEET

Well Number: 34

Type Well: Producer, converted to WIW 2-19-64

Construction: 8-5/8" 24# @ 1170', cmt 750 sx, circ to surface
5-1/2" 14# @ 3643', cmt 450 sx, TOC unknown

Date Drilled: 5-26-54

Location: 2260 FSL 2309 FWL, Sec. 31, T24S, R38E, Lea County, NM

Depth: 3736'

Completion Record: Acidize and sand-oil frac
2-3/8" tubing with 5-1/2" x 2" Halliburton R-3 tension packer set @ 3492' with 12,000#.

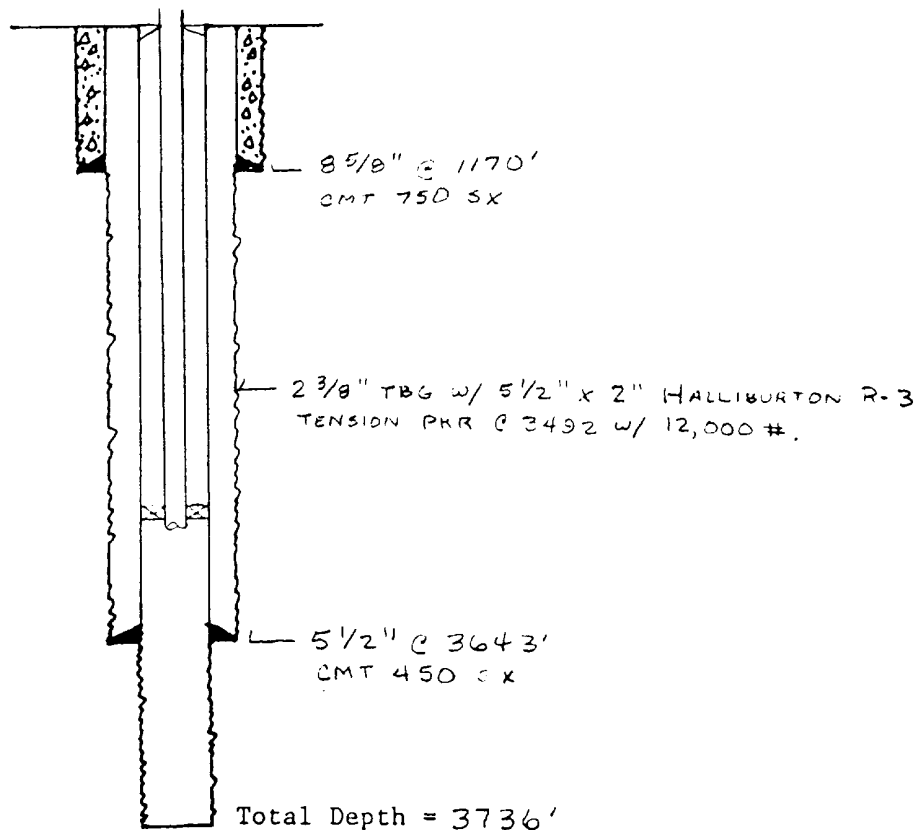
Plugging and Abandonment Date (if applicable):

Schematic

Hole size = 11"

Hole size = 7 7/8"

Hole size =



WEST DOLLARHIDE QUEEN SAND UNIT

DATA TABULATION SHEET

Well Number: 36

Type Well: Producer

Construction: 9-5/8" 32.3# @ 328', cmt 300 sx, circ to surface
 7" 23 & 20# @ 3670', cmt 1400 sx, top @ 1262'
 Sirgo-Collier, Inc. plans to deepen and run 4-1/2" to TD and cement to surface by April 1, 1988.

Date Drilled: 11-6-52

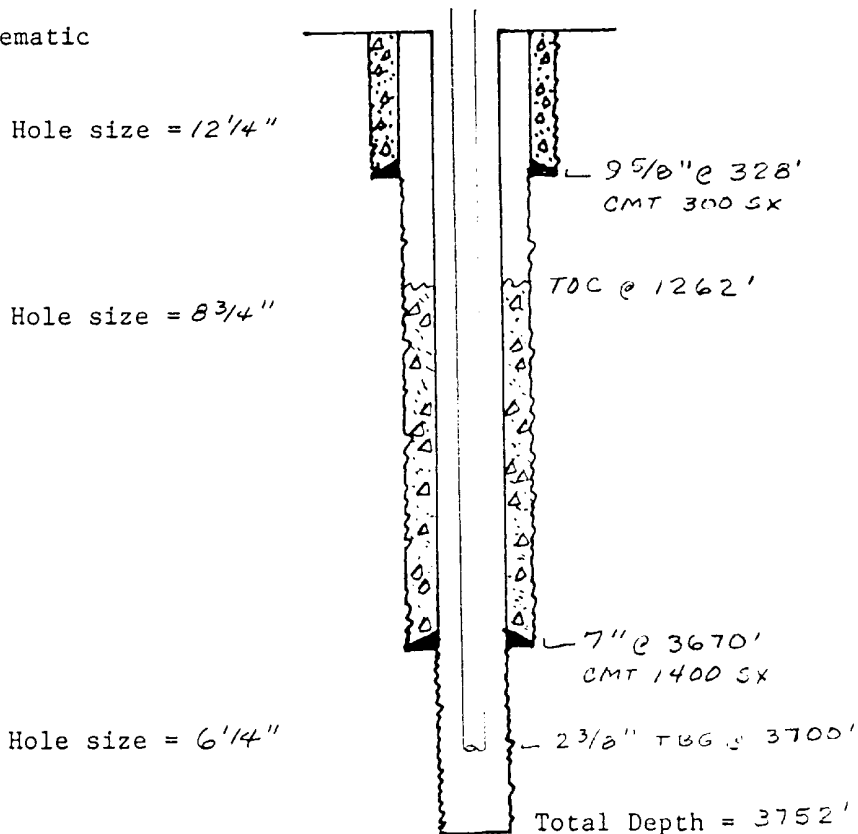
Location: 2310 FSL 660 FEL, Sec. 31, T24S, R38E, Lea County, NM

Depth: 3752'

Completion Record: Sand-oil frac
 Perf 3584-3647
 Acidize and sand-oil frac } - 9-1-59
 2-3/8" tubing @ 3700' }

Plugging and Abandonment Date (if applicable): SI 5/83

Schematic



RECEIVED

DEC 17 1987

OCD
HOBBS OFFICE

WEST DOLLARHIDE QUEEN SAND UNIT

DATA TABULATION SHEET

Well Number: 37

Type Well: Producer

Construction: 8-5/8" 32# @ 1184', cmt 400 sx, circ to surface
7" 20# @ 3662', cmt 200 sx, TOC unknown

Date Drilled: 4-16-53

Location: 2310 FSL 330 FWL, Sec. 32, T24S, R38E, Lea County, NM

Depth: 3770'

Completion Record: All tubing pulled.

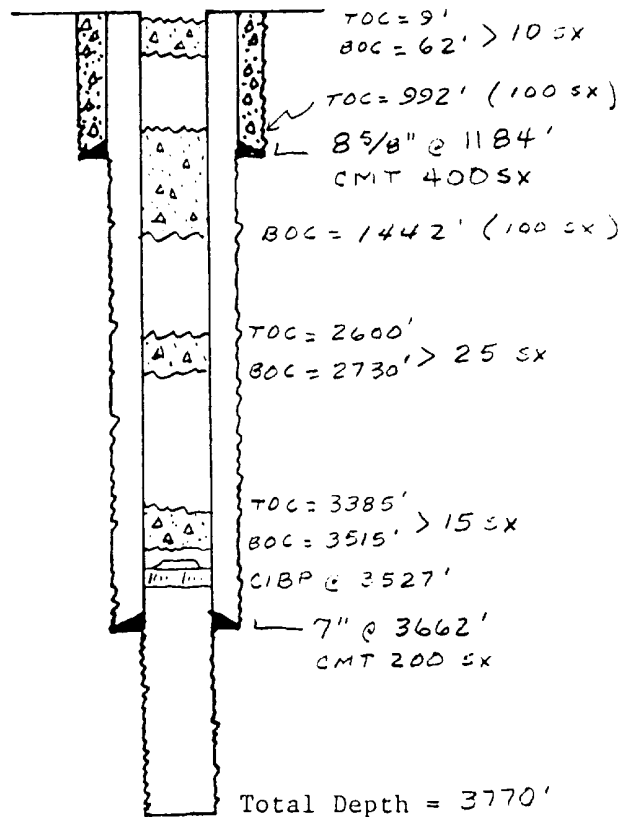
Plugging and Abandonment Date (if applicable): 4-9-74, re-plug: 3-24-81

Schematic

Hole size = 11"

Hole size = 8 3/4"

Hole size =



WEST DOLLARHIDE QUEEN SAND UNIT

DATA TABULATION SHEET

Well Number: 45

Type Well: Producer

Construction: 9-5/8" 36# @ 1158', cmt 400 sx, circ to surface
7" 20# @ 3650', cmt 250 sx, TOC unknown

Date Drilled: 3-13-53

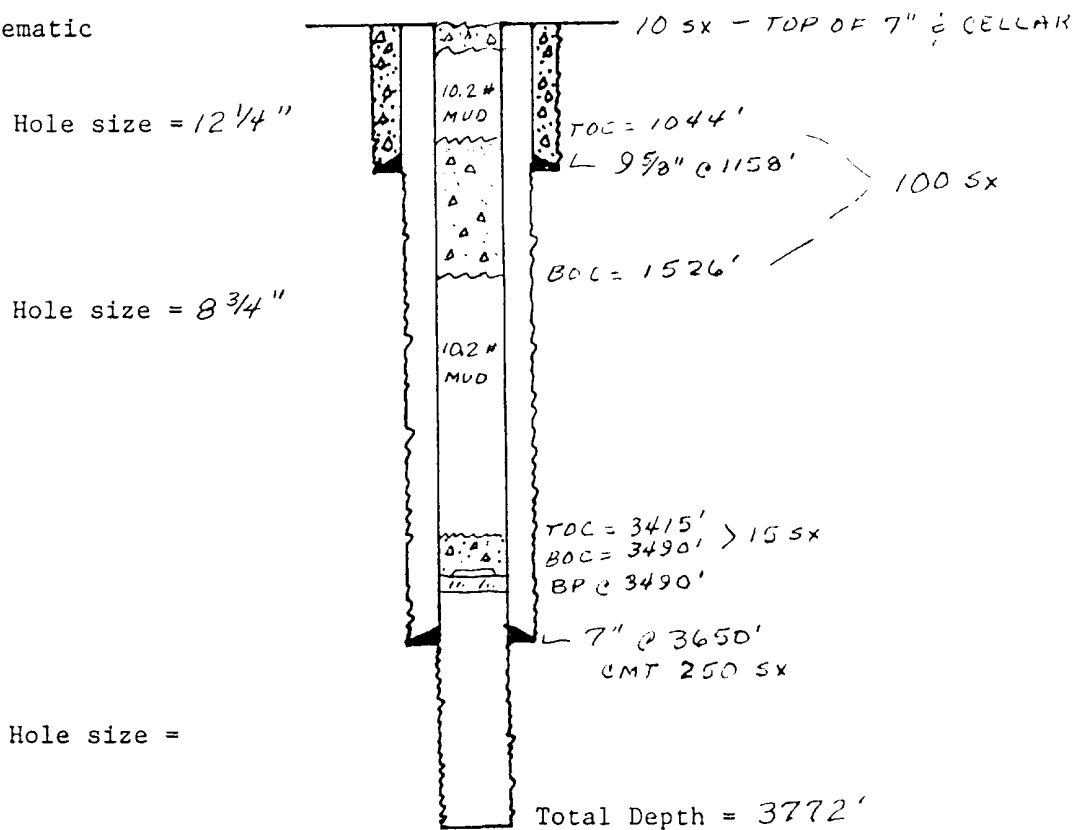
Location: 330 FSL 330 FWL, Sec. 32, T24S, R38E, Lea County, NM

Depth: 3772'

Completion Record: Fracture treated
All tubing pulled.

Plugging and Abandonment Date (if applicable): 12-19-72

Schematic



WEST DOLLARHIDE QUEEN SAND UNIT

DATA TABULATION SHEET

Well Number: 46

Type Well: Producer, converted to WIW 2-23-64.

Construction: 9-5/8" 32# @ 319', cmt 320 sx, circ to surface
7" 20# @ 3554', cmt 1100 sx, TOC @ 1790'

Date Drilled: 11-20-52

Location: 330 FSL 330 FEL, Sec. 31, T24S, R38E, Lea County, NM

Depth: 3750'

Completion Record: Fracture treated
Ran 2-3/8" tubing with 7" x 2-1/2" Halliburton R-3 tension packer set @ 3477' with 10,000#.

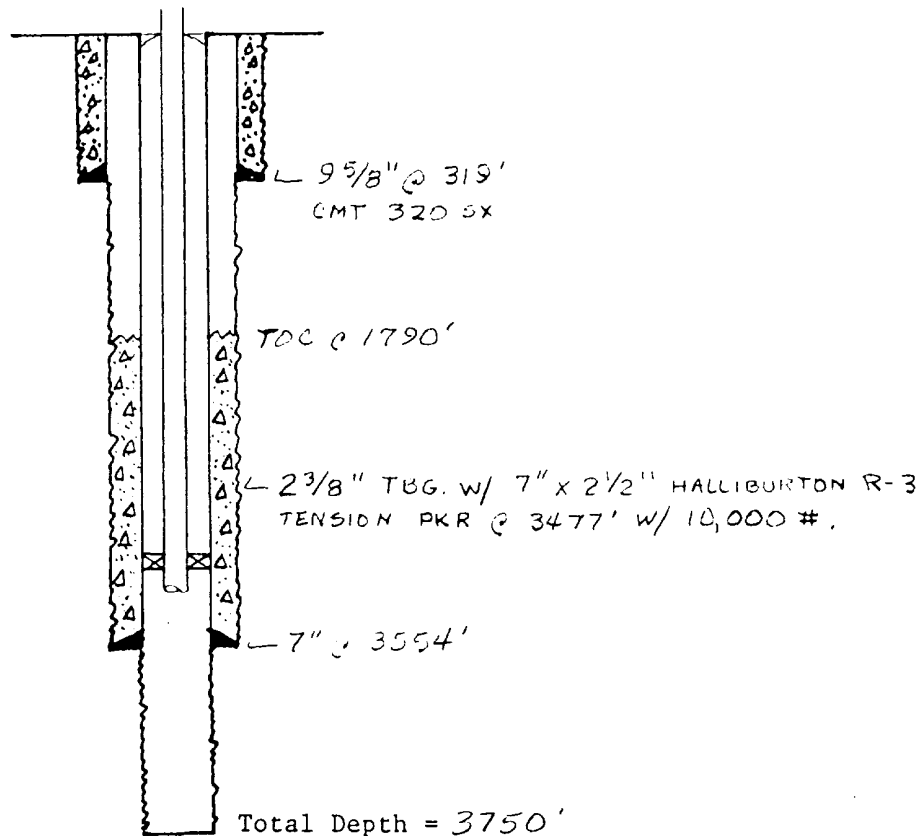
Plugging and Abandonment Date (if applicable):

Schematic

Hole size = 12 1/4"

Hole size = 8 3/4"

Hole size =



RECEIVED
DEC 11 1997
OCD
HOBBS OFFICE

WEST DOLLARHIDE QUEEN SAND UNIT

DATA TABULATION SHEET

Well Number: 47

Type Well: Producer

Construction: 9-5/8" 32# @ 359', cmt 325 sx, circ to surface
7" 23# @ 3590', cmt 1700 sx, TOC unknown

Date Drilled: 4-6-53

Location: 330 FSL 1650 FEL, Sec. 31, T24S, R38E, Lea County, NM

Depth: 3720'

Completion Record: Fracture treated
No records on type or amount of tubing run or type pump.

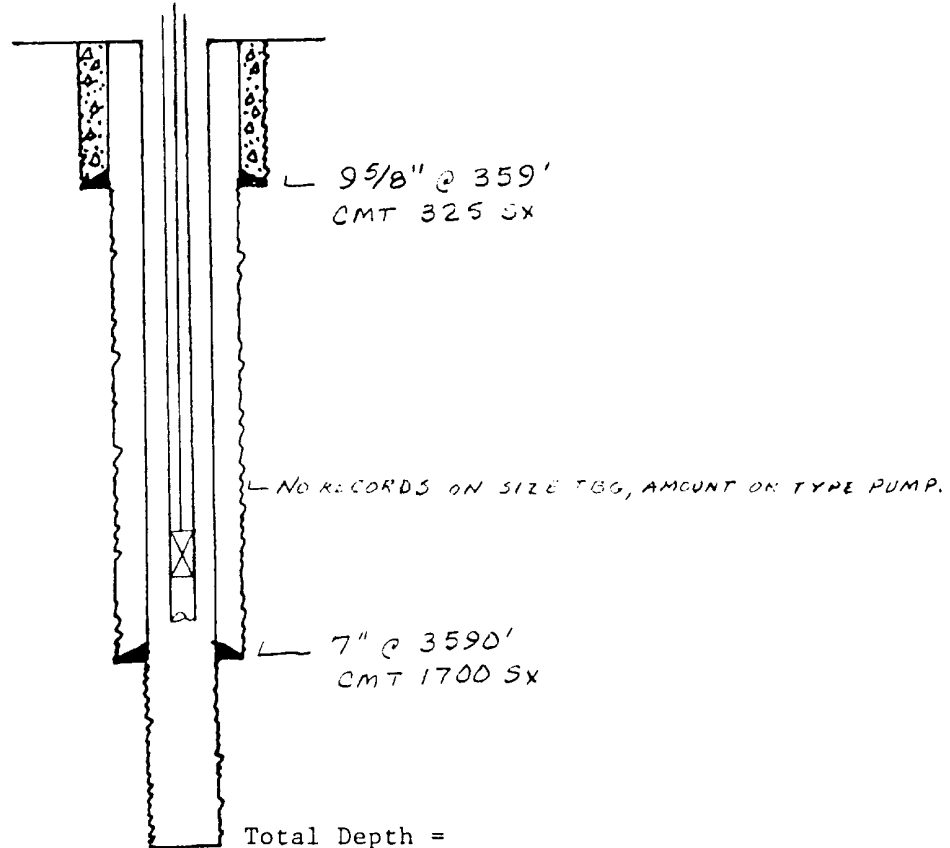
Plugging and Abandonment Date (if applicable):

Schematic

Hole size = 12 1/4"

Hole size = 8 3/4"

Hole size = 6 1/4"



WEST DOLLARHIDE QUEEN SAND UNIT

DATA TABULATION SHEET

Well Number: 48

Type Well: Producer, converted to WIW 1-28-64.

Construction: 13-3/8" 16# @ 268', cmt 200 sx, circ to surface
 10-3/4" 32.75# @ 720', not cemented, recovered 625' (stop cave)
 8-5/8" 24# @ 1334', not cemented, recovered 1334' (stop cave)
 7" 20# @ 3629', cmt 125 sx, TOC unknown

Date Drilled: 1-25-53

Location: 330 FNL 1650 FEL, Sec. 6, T25S, R38E, Lea County, NM

Depth: 3755' PB3740'

Completion Record: Fracture treated
 Tubing and packer pulled.

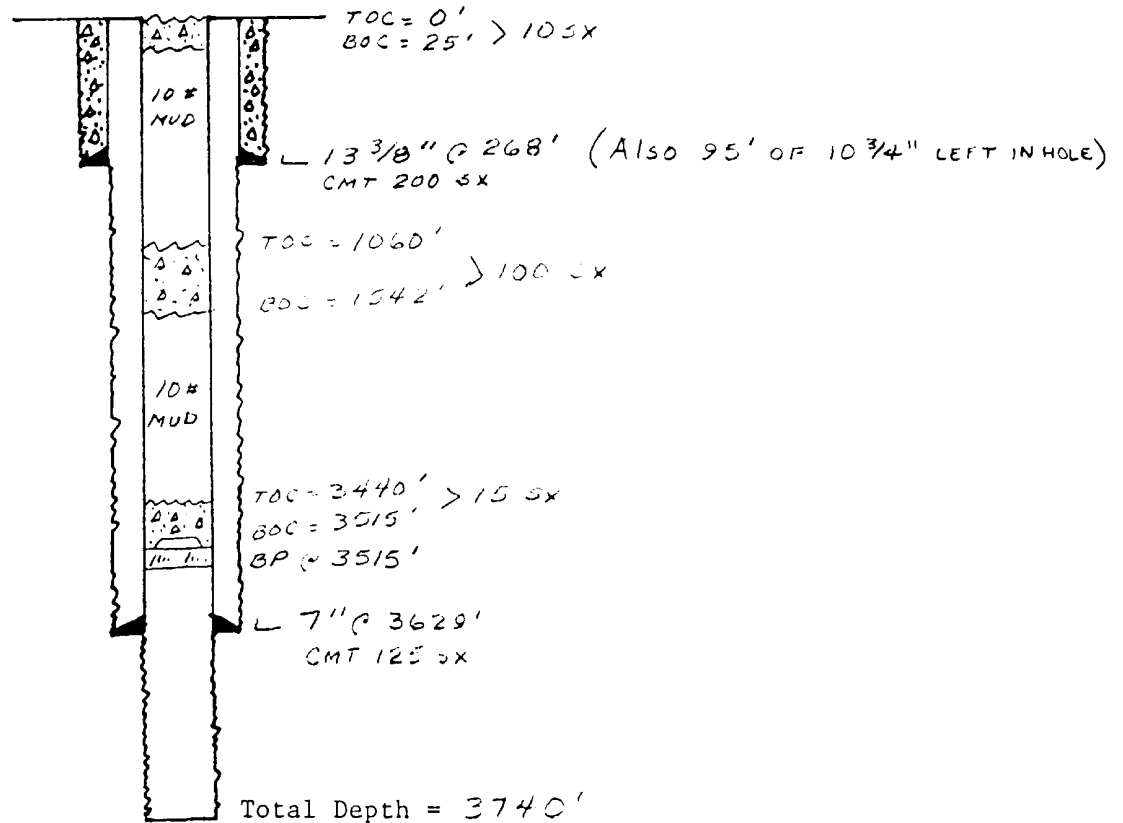
Plugging and Abandonment Date (if applicable): 12-29-72

Schematic

Hole size = 16"

Hole size = 12"
 8"

Hole size =



WEST DOLLARHIDE QUEEN SAND UNIT

DATA TABULATION SHEET

Well Number: 69

Type Well: Water supply well

Construction: 9-5/8" 32# @ 547', cmt 100 sx, circ to surface
7" 20# @ 810', no cement, (top of 7" liner @ 530', liner slotted
with 2-1/2" x 12" slots per foot)

Date Drilled: 9-9-63

Location: 650 FSL 300 FWL, Sec. 32, T24S, R38E, Lea County, NM

Depth: 810'

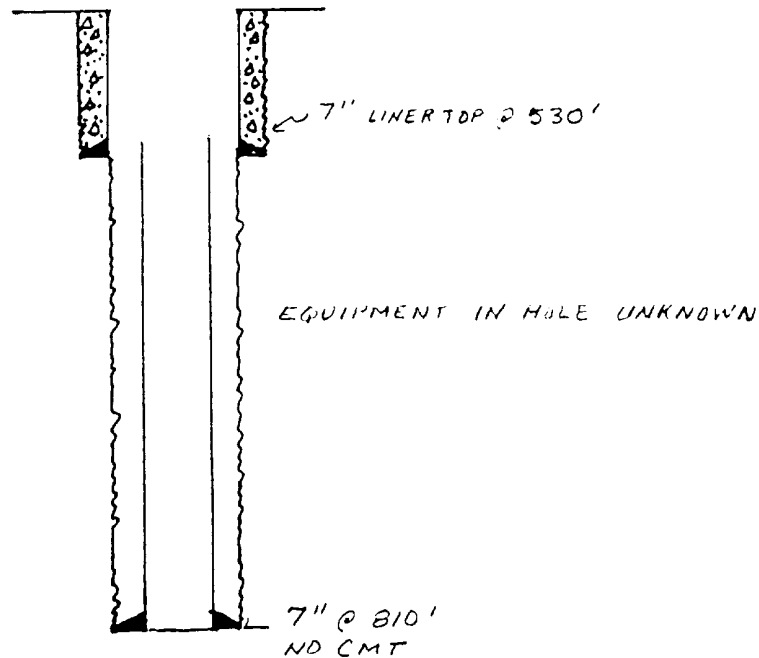
Completion Record: Perfed 546-810'
Equipment in hole unknown.

Plugging and Abandonment Date (if applicable): SI 12-23-67, TA 7-18-80

Schematic

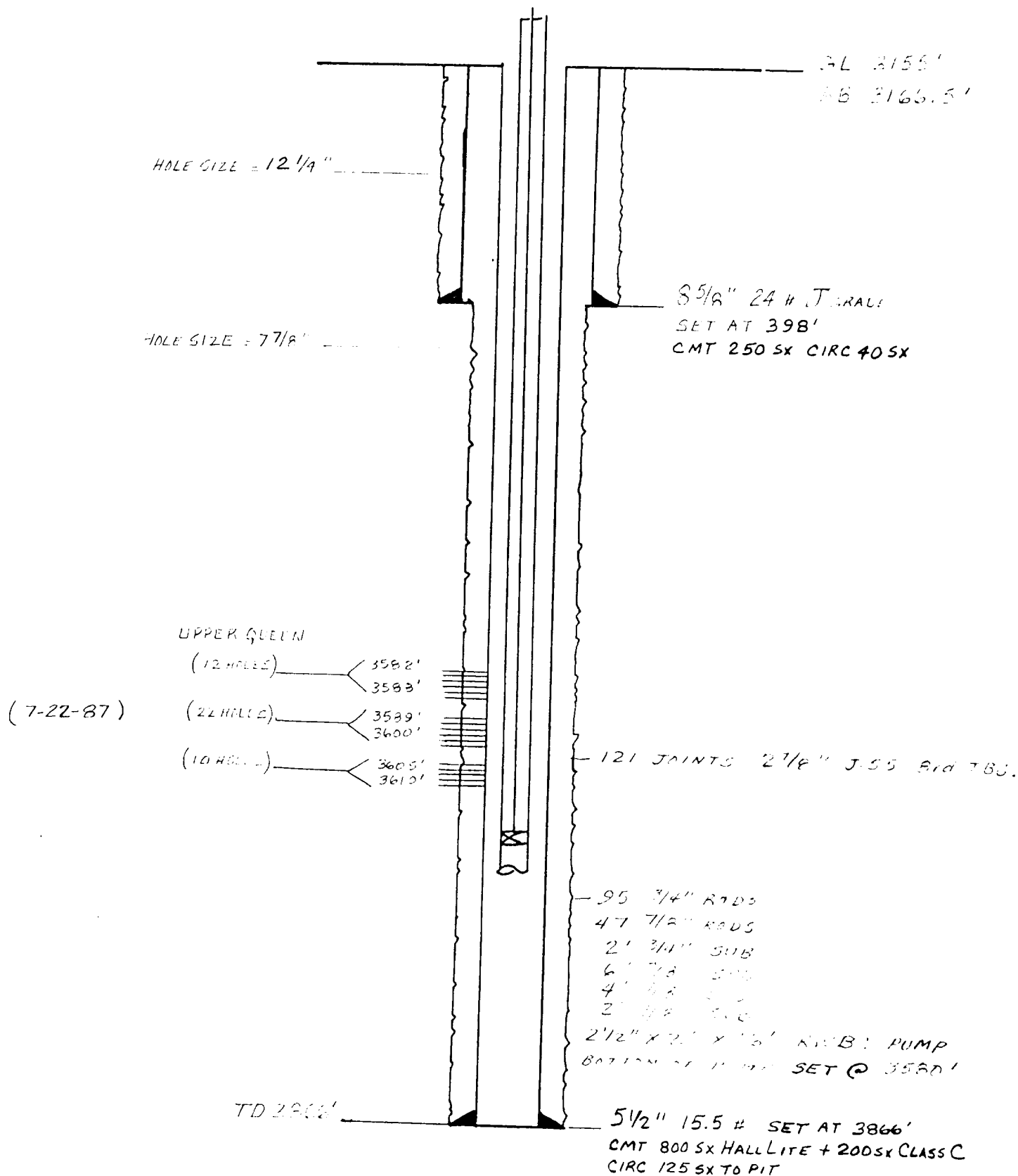
Hole size = 12"

Hole size = 8"



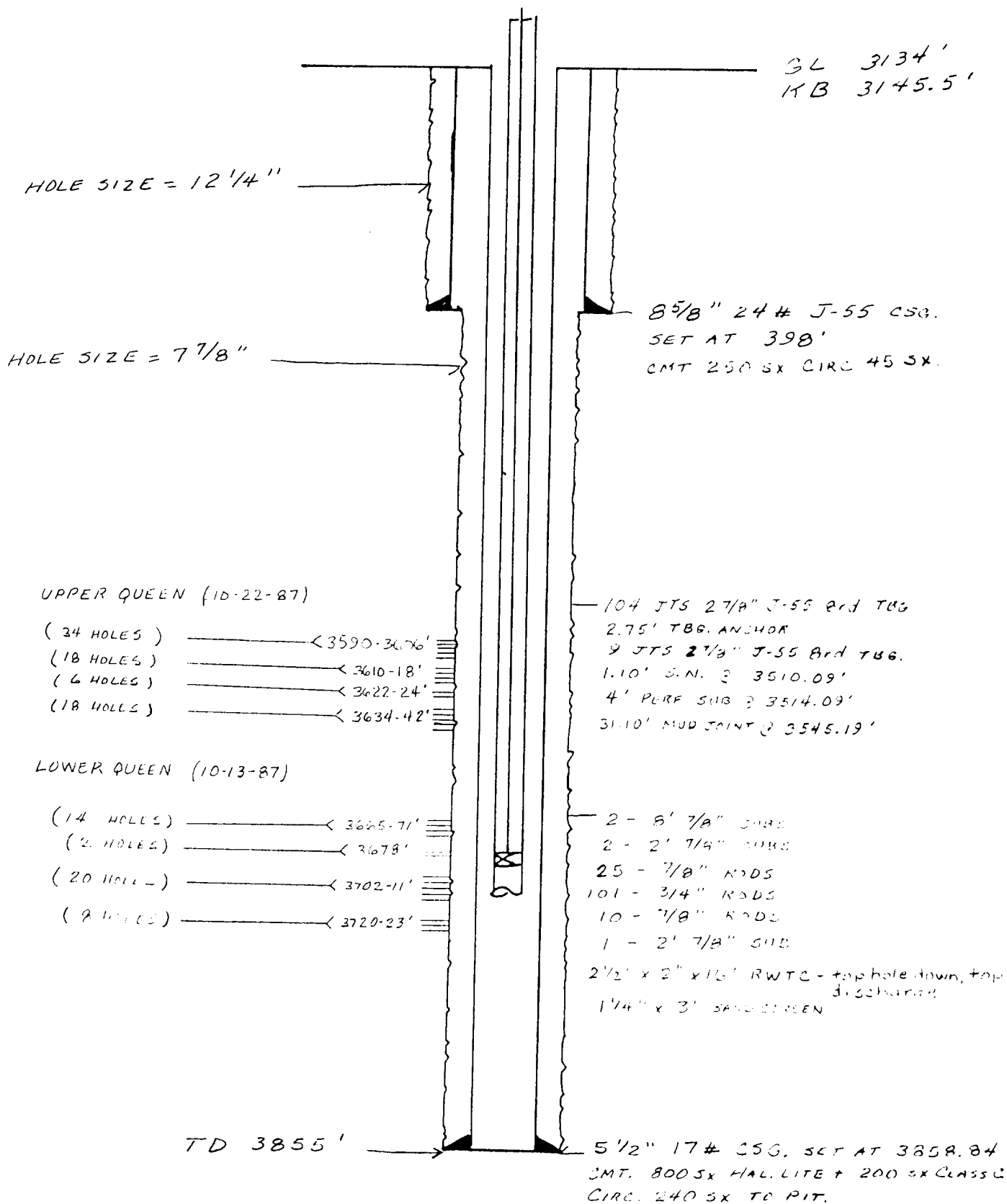
HOBBS OFFICE
DEC 11 1987
RECEIVED

LEASE NAME AND WELL NO. WDO5U # 31-74
WELLBORE DIAGRAM AS OF (DATE): 7-27-87



LEASE NAME AND WELL NO.: WDO5U # 31-74
STATE: N.M. COUNTY: LFA BLOCK: — SECTION: 31
TOWNSHIP: 24-5 RANGE: 33-E LEGAL DESCRIPTION: —
OPERATOR: SIRCO-POULICK, INC. WORKING INTEREST: — ROYALTY INTEREST: —
TOTAL DEPTH: 3866' PBTD: — GROUND LEVEL: 3155' KB: 3166.5'
COMPLETION: 7-22-87 OPEN CURRENT STATUS: Producing
REMARKS: —
—
—
—

LEASE NAME AND WELL NO.: WDQSU # 86
WELLBORE DIAGRAM AS OF (DATE): 10-29-87



LEASE NAME AND WELL NO.: WDQSU # 86

STATE: NM COUNTY: LEA BLOCK: — SECTION: 31

TOWNSHIP: 24-S RANGE: 38-E LEGAL DESCRIPTION: 1250' ENL 1250' FEL

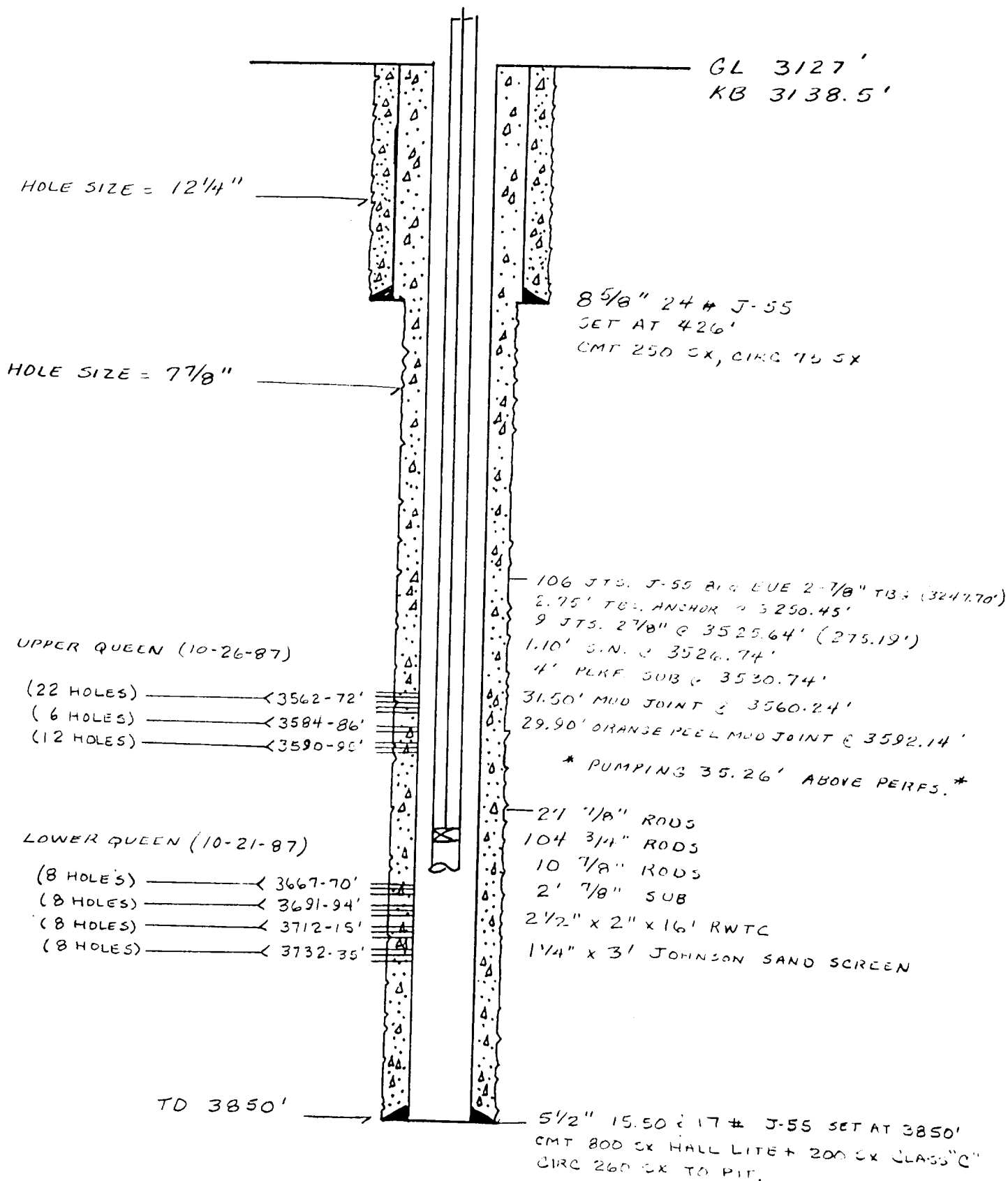
OPERATOR: SIRCO-COLLIER INC. WORKING INTEREST: — ROYALTY INTEREST: —

TOTAL DEPTH: 3855' PBTD: — GROUND LEVEL: 3134' KB: 3145.5'

COMPLETION: 10-23-87 CURRENT STATUS: PRODUCING

REMARKS: —

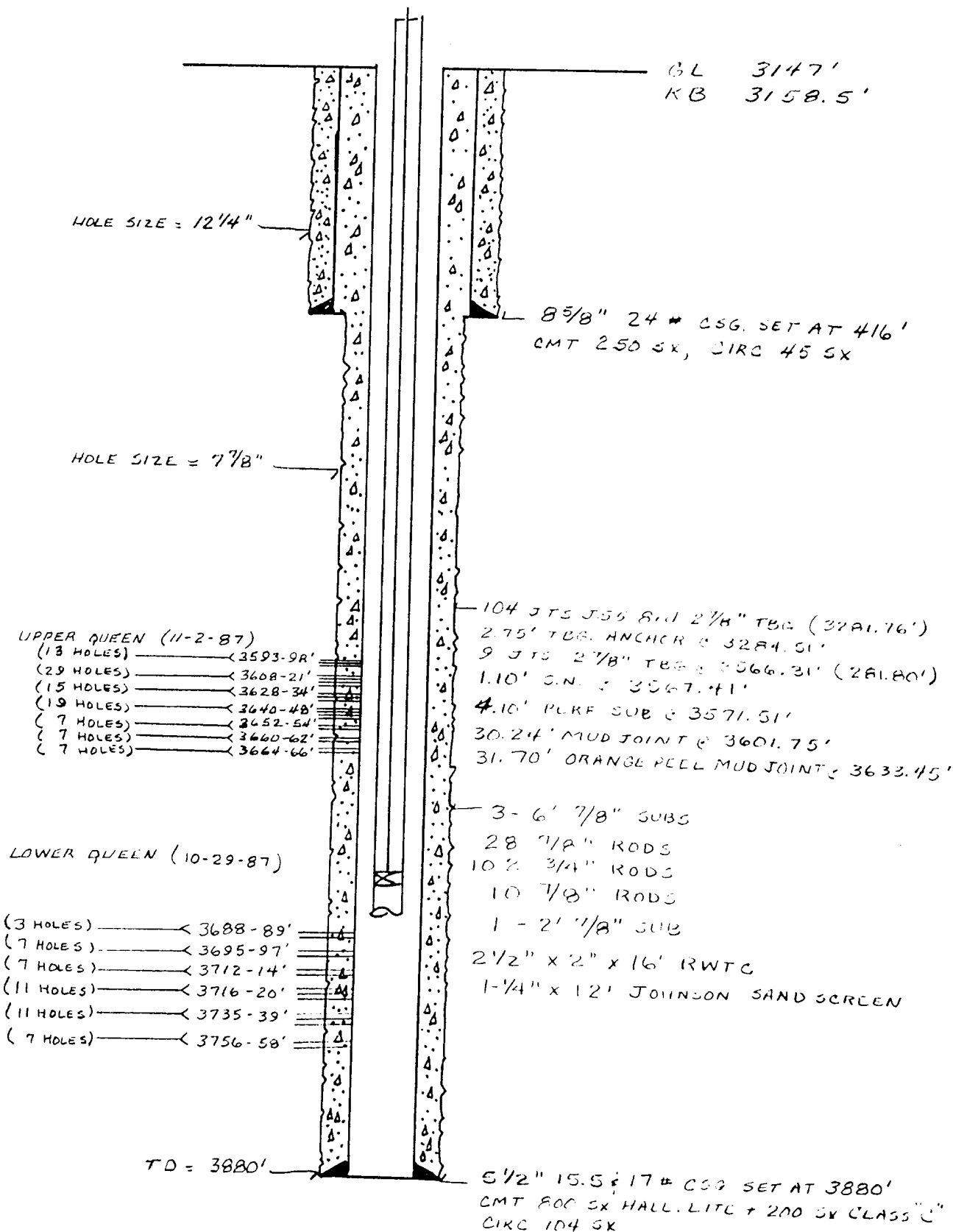
LEASE NAME AND WELL NO.: WDQSU # 31-87
WELLBORE DIAGRAM AS OF (DATE): 10-31-87



LEASE NAME AND WELL NO.: WDQSU # 31-87
STATE: NM COUNTY: LEA BLOCK: — SECTION: 31
TOWNSHIP: 24-S RANGE: 38-E LEGAL DESCRIPTION: 2450' ENL 1350' FEL
OPERATOR: SIRGO-COLLIER, INC. WORKING INTEREST: — ROYALTY INTEREST: —
TOTAL DEPTH: 3850' PBTD: — GROUND LEVEL: 3127' KB: 3138.5'
COMPLETION: 10-27-87 CURRENT STATUS: PRODUCING
REMARKS: —

RECEIVED
DEC 11 1987
OCD
HOBBS OFFICE

LEASE NAME AND WELL NO.: WDQSU # 31-88
WELLBORE DIAGRAM AS OF (DATE): 11-30-87



LEASE NAME AND WELL NO.: WDQSU # 31-88
STATE: NM COUNTY: LEA BLOCK: — SECTION: 31
TOWNSHIP: 24-5 RANGE: 38-E LEGAL DESCRIPTION: 1450' FNL 250' FEL
OPERATOR: SIRGA-COLLIER, INC. WORKING INTEREST: _____ ROYALTY INTEREST: _____
TOTAL DEPTH: 3880' PBTD: _____ GROUND LEVEL: 3147' KB: 3158.5'
COMPLETION: _____ CURRENT STATUS: PRODUCING
REMARKS: _____

VII.

1. Average rate and volume of fluids: 300 bbls
Maximum rate and volume of fluids: 500 bbls
2. Closed system.
3. Proposed average injection pressure: 1000#
Proposed maximum injection pressure: 1500#
4. Source of injection water is unknown at this time, although some of the total amount injected will be produced water.
5. Injection is not for disposal.

VIII.

The Queen formation is light tan and light gray dolomite interspersed with light gray, fine grained, friable sand. This formation is encountered at a depth of approximately 3580' and is on the average about 200' thick. The only source of drinking water in the area is in Triassic age formations, with the bottom of the zone being at 350'. No known sources underly the injection interval.

IX.

The Queen formation will be selectively perforated, then acidized with 2000 gals. 15% NEFE.

X.

Well logs have been filed with the Division.

XI.

There are no fresh water wells within one mile of this injection well.

XII.

This injection well is not a disposal well.

XIII.

Proof of notice attached.

RECEIVED
DEC 11 1987
OCD
HOBBS OFFICE



Sirgo-Collier, Inc.

P. O. Box 3531, Midland, Texas 79702 (915) 685-0878

December 10, 1987

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
Post Office Box 2088
Santa Fe, New Mexico 87504-2088

Re: Form C-108, Item XII

I, the undersigned, 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.

M. A. Sirgo III, Engineer
Sirgo-Collier, Inc.

MAS:aw

cc: OCD - Hobbs
Jerry Sexton

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-75

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease
State ☐ Fee ☒
5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☐ GAS WELL ☐ OTHER- Water injection well		7. Unit Agreement Name West Dollarhide Queen Sand Unit
2. Name of Operator Sirgo-Collier, Inc.		8. Farm or Lease Name
3. Address of Operator P. O. Box 3531, Midland, Texas 79702		9. Well No. 35
4. Location of well UNIT LETTER J 1980 FEET FROM THE South LINE AND 1650 FEET FROM THE East LINE, SECTION 31 TOWNSHIP 24S RANGE 38E NMPM.		10. Field and Pool, or Wildcat Dollarhide Queen
15. Elevation (Show whether DF, RT, GR, etc.) 3125' DF		12. County Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOBS ☐	OTHER Cement 4-1/2" casing ☒

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

2-15-88 Deepen to TD of 3931'. Ran 97 joints of 4-1/2" 10.5# casing to 3931'. Cemented with 400 sx Halliburton Light with 1/4# flocele and 0.5% CFR-3, tailed with 200 sx Class "C" with 10# microbond and 0.2% Halad-4. Circulated 112 sx.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Amy L. Whitley TITLE Agent DATE March 2, 1988

ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT 1 SUPERVISOR

APPROVED BY _____ TITLE _____ DATE MAR 7 - 1988

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

MAR 4 - 1988

OCD
HOBBS OFFICE