

INJECTION WELL DATA SHEET

Side 1

OPERATOR The Wiser Oil Company (Atlantic Richfield Co.) LEASE BLM # LC-059152-B

WELL NO. CMU #33 (fka Johns "B" DE #12) 660' FNL, 660' FWL, Unit D 24 SECTION 17S TOWNSHIP 32E RANGE

FOOTAGE LOCATION

Schematic

Well Construction Data

Surface Casing Set @ 186'

Size 8 5/8 " Cemented with 150 sx.

TOC Surface feet determined by

Hole Size 12 1/4"

See Attached

Intermediate Casing

Size " Cemented with sx.

TOC feet determined by

Hole Size

Long String Set @ 4402'

Size 4 1/2 " Cemented with 400 sx.

TOC 2920' feet determined by temperature survey

Hole Size 7 7/8"

Total Depth 4403'

Injection Interval

feet to feet
(perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Slide 2

Tubing Size 2 3/8" lined with plastic set in a
(type of internal coating)
packer at 4063' feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? Yes ☐ No ☒

If no, for what purpose was the well originally drilled? Oil production-Converted to WIW 3-27-66

P&A 12-20-78 The Wiser Oil Company plans to re-enter this well and complete as WIW

2. Name of the injection formation Grayburg-San Andres Vacuum

3. Name of Field or Pool (if applicable) Maljamar Grayburg San Andres

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail, i.e., sacks of cement or plug(s) used. 4112-4178'; 4173-80'; 4103-4113';

4121-4131'; 4164-4169' 4136-40'

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

INJECTION WELL DATA SHEET

Side 1

OPERATOR The Wiser Oil Company (Atlantic Richfield Co.) LEASE BLM # LC-059152-B

WELL NO. CMU # 34 (fak Johns B DE #11) 660' FNL, 1980' FWL, Unit C 24 SECTION 17S TOWNSHIP 32E RANGE

FOOTAGE LOCATION

Schematic

Well Construction Data

Surface Casing Set @ 171'

Size 8 5/8" Cemented with 150 sx.

TOC Surface feet determined by

Hole Size 12 1/4"

Intermediate Casing

Size " Cemented with sx.

TOC feet determined by

Hole Size

Long String Set @ 4395'

Size 4 1/2" Cemented with 400 sx.

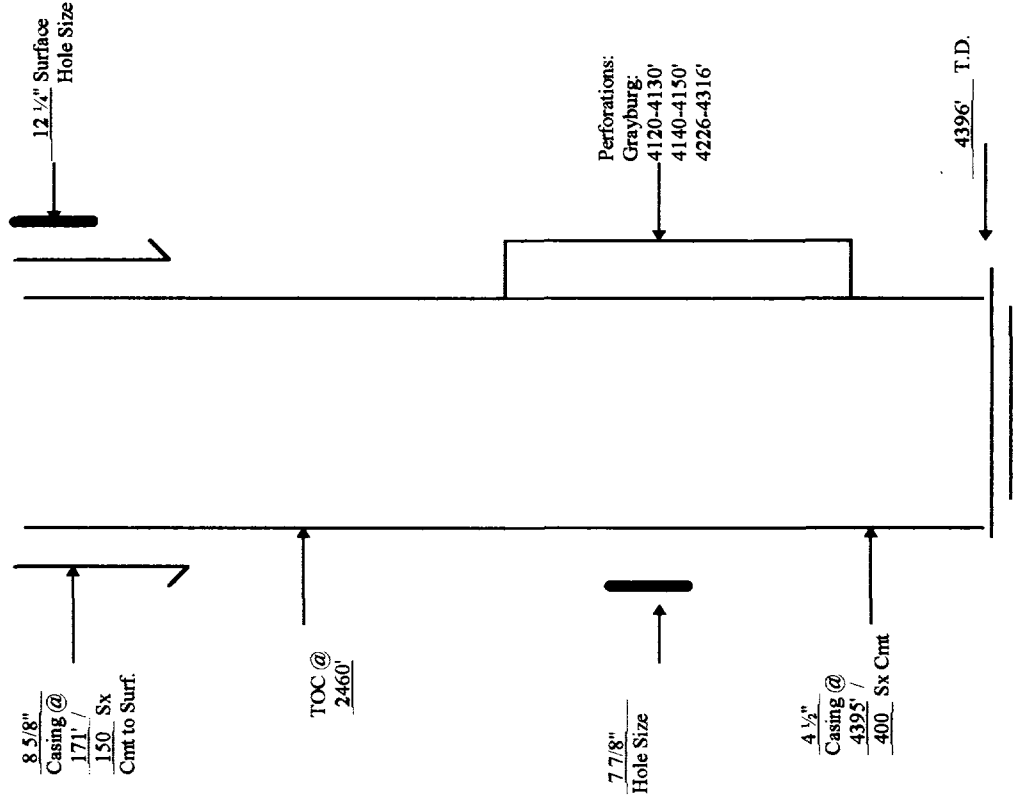
TOC 2460' feet determined by temperature survey

Hole Size 7 7/8"

Total Depth 4396'

Injection Interval

feet to feet
(perforated or open-hole; Indicate which)



INJECTION WELL DATA SHEET

Slide 2

Tubing Size 2 3/8" lined with _____ set in a _____
(type of internal coating)
_____ packer at 4166 feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? Yes X No

If no, for what purpose was the well originally drilled? Oil production - Shut-in 11-5-86 - Notice of Intent to P&A filed 2-27-92 but work apparently never done - The Wiser Oil Company plans to convert this well to WITW

2. Name of the injection formation Grayburg-San Andres Vacuum

3. Name of Field or Pool (if applicable) Majamar

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail; i.e., sacks of cement or plug(s) used. 4120-4130'; 4140-4150'; 4226-4316'

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

INJECTION WELL DATA SHEET

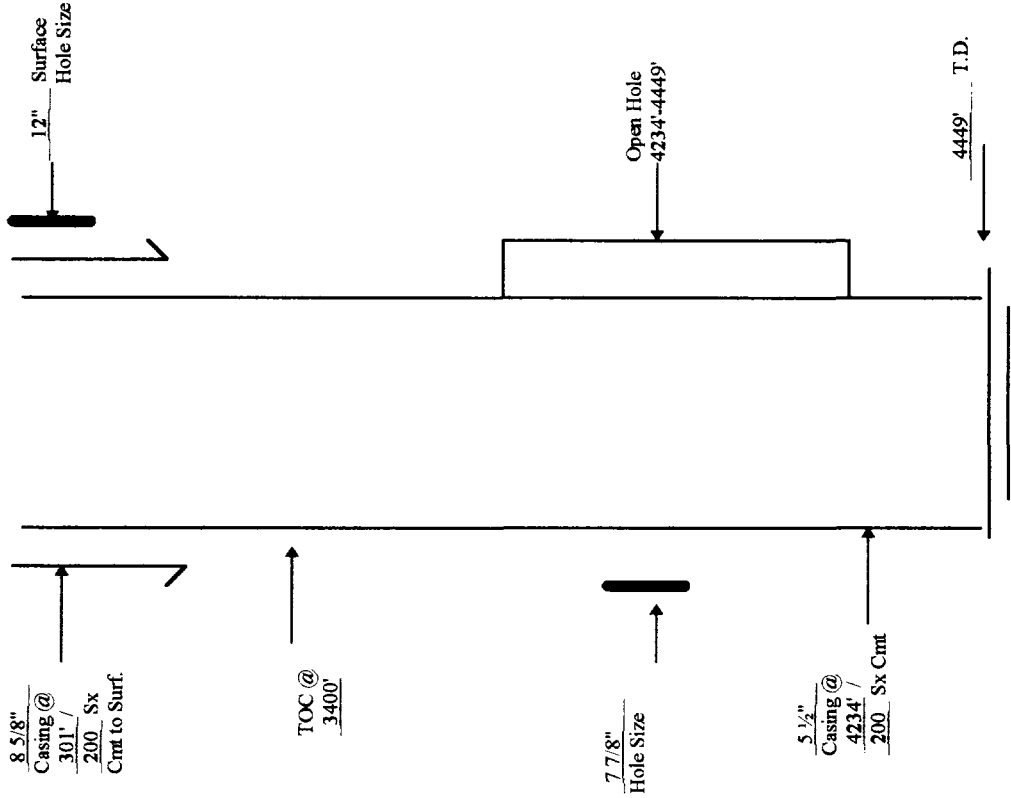
Side 1

OPERATOR The Wiser Oil Company LEASE State of New Mexico # B-2148
 WELL NO. CMU # 45 (fka Mal-Gra Unit D #4) 660' FNL, 660' FWL, Unit D 21 SECTION 17S TOWNSHIP 33E RANGE
 FOOTAGE LOCATION

Schematic

Well Construction Data

8 5/8" Casing @ 301' / 200' Sx Cnt to Surf.
7 7/8" Hole Size
5 1/2" Casing @ 4234' / 200' Sx Cnt
 TOC @ 3400'
 Surface Casing Set @ 301'
 Size 8 5/8" Cemented with 200' Sx.
 TOC Surface feet determined by
 Hole Size 12"
 Intermediate Casing
 Size " Cemented with Sx.
 TOC feet determined by
 Hole Size
 Long String Set @ 4234'
 Size 5 1/2" Cemented with 200' Sx.
 TOC 3400' feet determined by Calculation
 Hole Size 7 7/8"
 Total Depth 4449'
 Injection Interval
4234' feet to 4449' feet
 (perforated or open-hole; Indicate which)



INJECTION WELL DATA SHEET

Side 2

Tubing Size 2 3/8" lined with plastic set in a
(type of internal coating)
tension packer at 4220' feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? Yes X No

If no, for what purpose was the well originally drilled? Oil production - converted to WIW 6-12-65

Shut-In

2. Name of the injection formation Grayburg San Andres Vacuum

3. Name of Field or Pool (if applicable) Majamar Grayburg San Andres

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail, i.e., sacks of cement or plug(s) used. 4234-4449'

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

Leamex

INJECTION WELL DATA SHEET

Side 1

OPERATOR The Wiser Oil Company (ARCO Oil and Gas Co.) LEASE BLM # LC-059152-B

WELL NO. CMU # 46 (fka Johns B DE #1, fka R. D. Johns #1 & 2) 1980' FNL, 660' FWL, Unit E 24 17S SECTION 32E TOWNSHIP 32E RANGE

FOOTAGE LOCATION

Schematic

Well Construction Data

Surface Casing Set @ 1010'

Size 10 3/4 " Cemented with 50 sx.

TOC Surface feet determined by _____

Hole Size Unknown

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole Size _____

Long String Set @ 3620'

Size 7 " Cemented with 250 sx.

TOC _____ feet determined by _____

Hole Size Unknown

Total Depth 4395'

Injection Interval

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

INJECTION WELL DATA SHEET

Side 2

Tubing Size _____ lined with _____ set in a _____
(type of internal coating)
_____ packer at _____ feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? ____ Yes X No

If no, for what purpose was the well originally drilled? Oil production - P&A 7-26-79

The Wiser Oil Company plans to re-enter this well and complete as WIW

2. Name of the injection formation Grayburg-San Andres Vacuum

3. Name of Field or Pool (if applicable) Maljamar

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail, i.e., sacks of cement or plug(s) used. 3620-4395'

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

INJECTION WELL DATA SHEET

Side 1

OPERATOR The Wiser Oil Company (Atlantic Richfield Co.) LEASE BLM # LC-059152-B

WELL NO. CMU # 47 (fka Johns "B" DE #4) 2310' FNL, 1650' FWL, Unit F 24 SECTION 17S TOWNSHIP 32E RANGE

FOOTAGE LOCATION

Schematic

See Attached

Well Construction Data

Surface Casing Set @ 168'

Size 8 5/8" " Cemented with 150 sx.

TOC Surface feet determined by

Hole Size 12 1/4"

Intermediate Casing

Size " Cemented with sx.

TOC feet determined by

Hole Size

Long String Set @ 4323'

Size 5 1/2" " Cemented with 400 sx.

TOC 2310' feet determined by temperature survey

Hole Size 7 7/8"

Total Depth 4324'

Injection Interval

feet to feet
(perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Side 2

Tubing Size 2 3/8" lined with plastic set in a
(type of internal coating)
Model R packer at 4060' feet

Other type of tubing / casing seal if applicable

Other Data

1. Is this a new well drilled for injection? Yes X No

If no, for what purpose was the well originally drilled? Oil production-Converted to WIW 3-6-66

P&A 12-26-78 The Wiser Oil Company plans to re-enter this well and complete as WIW

2. Name of the injection formation Grayburg-San Andres Vacuum

3. Name of Field or Pool (if applicable) Majamar Grayburg San Andres

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail, i.e., sacks of cement or plug(s) used. 4130-4150', 4192-4208', 4285-4311'

4122-4132, 4109-4200'

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

11/27/57

12 1/4" HOLE

PERF. @ 200' -
CIRC 90 SX TO SURFACE

8 5/8" 28# SA 168' W/150 SX - CIRC

CMT RET. @ 1114' - SQ W/75 SX

PERF. @ 1150'

TOC 2310'

7 7/8" HOLE

SET 35 SX PLUG 2071' - 2514'

SET RET. @ 4009' - SQ W/80 SX

PERFS 4109 - 4311'

BP @ 4262'

TD 4324'

5 1/2" 15.5# SA 4323' W/400 SX

P.E.A 12/78

H 6/30/94

INJECTION WELL DATA SHEET

Side 1

OPERATOR The Wiser Oil Company (Atlantic Richfield Company) LEASE BLM #LC-059152-B

WELL NO. CMU #61 (fka Johns "B" DE #3) 1980' FSL, 1980' FWL, Unit K 24 SECTION 17S TOWNSHIP 32E RANGE

FOOTAGE LOCATION

Schematic

Well Construction Data

Surface Casing Set @ 129'

Size 8 5/8" Cemented with 40 sx.

TOC Surface feet determined by

Hole Size 11"

See Attached

Intermediate Casing

Size " Cemented with sx.

TOC feet determined by

Hole Size

Long String Set @ 3840'

Size 5 1/2" Cemented with 350 sx.

TOC feet determined by Calculation

Hole Size 7 7/8"

Total Depth 4345'

Injection Interval

feet to feet
(perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Slide 2

Tubing Size 3 1/2 " lined with _____ set in a _____
(type of internal coating)
_____ packer at 3710' _____ feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? ___ Yes X No

If no, for what purpose was the well originally drilled? Oil production, P&A 5-27-78

The Wiser Oil Company plans to re-enter this well and complete as WIW

2. Name of the injection formation Grayburg-San Andres Vacuum

3. Name of Field or Pool (if applicable) Majamar Grayburg

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail; i.e., sacks of cement or plug(s) used. 4130-35; 4185-4205; 4280-90;

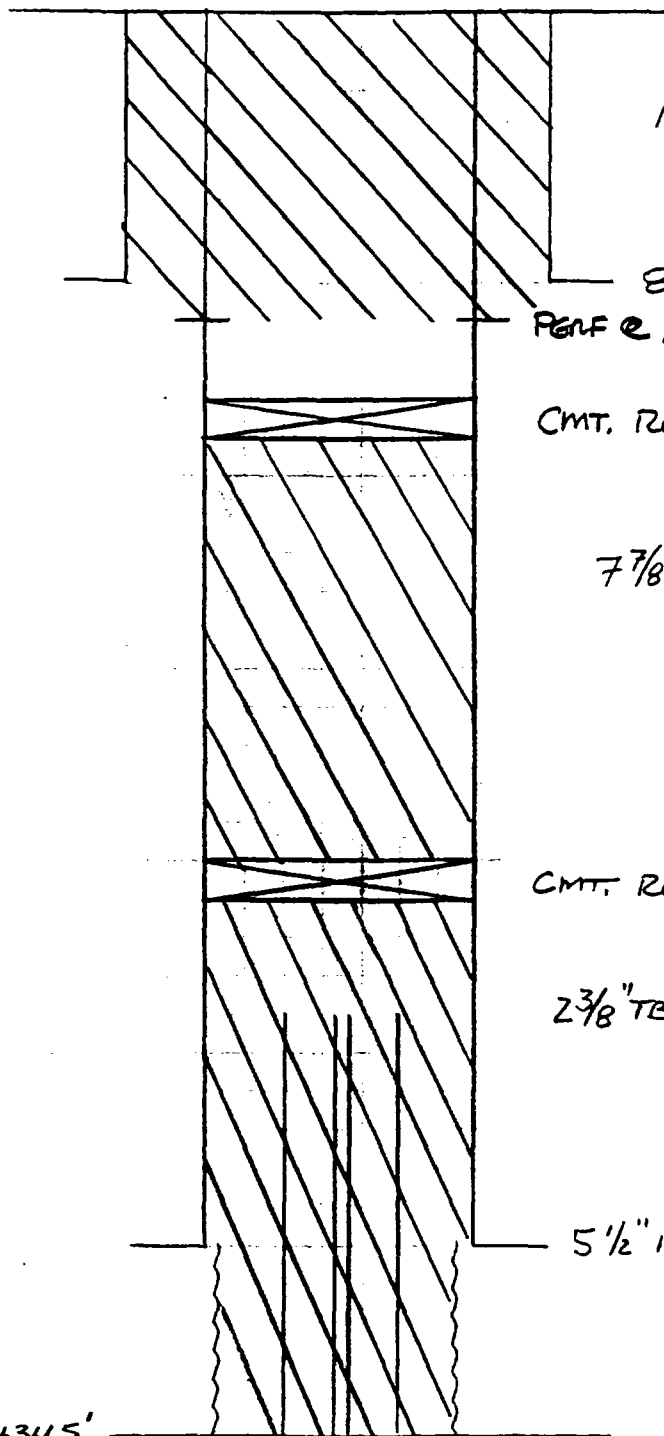
5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

CMU #61

(aka Arico Johns "Boat #3")

24"K"-175-32E

3/5/42



11" HOLE

8 5/8" 28# SA 129' w/40 SX
Perf @ 200' Pump 200 SX - CIRE

CMT. RET. @ 1029' SQ w/500 SX

7 7/8" HOLE

CMT. RET. @ 2056' SQ w/500 SX

2 3/8" TBG & ROD FISH w/TOP @ 2978'

5 1/2" 14# SA 3840' w/350 SX

TD 4345'

P & A 5/78

H 6/29/94

13-782 50 SHEETS FILLED 5 SQUARE
42-381 50 SHEETS EYE EARS 5 SQUARE
42-382 100 SHEETS EYE EARS 5 SQUARE
42-383 100 SHEETS EYE EARS 5 SQUARE
42-384 100 SHEETS EYE EARS 5 SQUARE
42-385 100 SHEETS EYE EARS 5 SQUARE
42-386 100 RECYCLED WHITE 5 SQUARE
42-387 200 RECYCLED WHITE 5 SQUARE
Made in U.S.A.



INJECTION WELL DATA SHEET

Side 1

OPERATOR The Wiser Oil Company (Phillips Petroleum Co.) LEASE State of New Mexico # B-2148

WELL NO. CMU # 77 (fka Leamex #1) 660' FSL, 660' FWL, Unit M 19 SECTION 17S TOWNSHIP 33E RANGE

FOOTAGE LOCATION

Schematic

Well Construction Data

Surface Casing Set @ 1163'

Size 8 5/8" " Cemented with 400 sx.

TOC Surface feet determined by

Hole Size 11"

See Attached

Intermediate Casing

Size " Cemented with sx.

TOC feet determined by

Hole Size

Long String Set @ 4016'

Size 5 1/2" " Cemented with 300 sx.

TOC feet determined by Calculation

Hole Size 7 7/8"

Total Depth 4316'

Injection Interval

feet to feet
(perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Side 2

Tubing Size _____ lined with _____ set in a _____
(type of internal coating)
_____ packer at _____ feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? Yes ☒ No ☐

If no, for what purpose was the well originally drilled? Oil production P&A 5-18-71

The Wiser Oil Company plans to re-enter this well and complete as WTW

2. Name of the injection formation Grayburg-San Andres Vacuum

3. Name of Field or Pool (if applicable) Majamar Grayburg San Andres

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail; i.e., sacks of cement or plug(s) used. 4016-4316'

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

INJECTION WELL DATA SHEET

Side 1

OPERATOR The Wiser Oil Company LEASE State of New Mexico # B-2229

WELL NO. CMU #88 (fka Phillips State #4) 330' FNL, 330' FWL, Unit D SECTION 28 TOWNSHIP 17S RANGE 33E

FOOTAGE LOCATION

Schematic

Well Construction Data

Surface Casing Set @ 359'

Size 8 5/8" Cemented with 125 sx.

TOC Surface feet determined by _____

Hole Size 11"

Intermediate Casing

Size " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole Size _____

Long String Set @ 4564'

Size 5 1/2" Cemented with 150 sx.

TOC 2865' feet determined by temperature survey

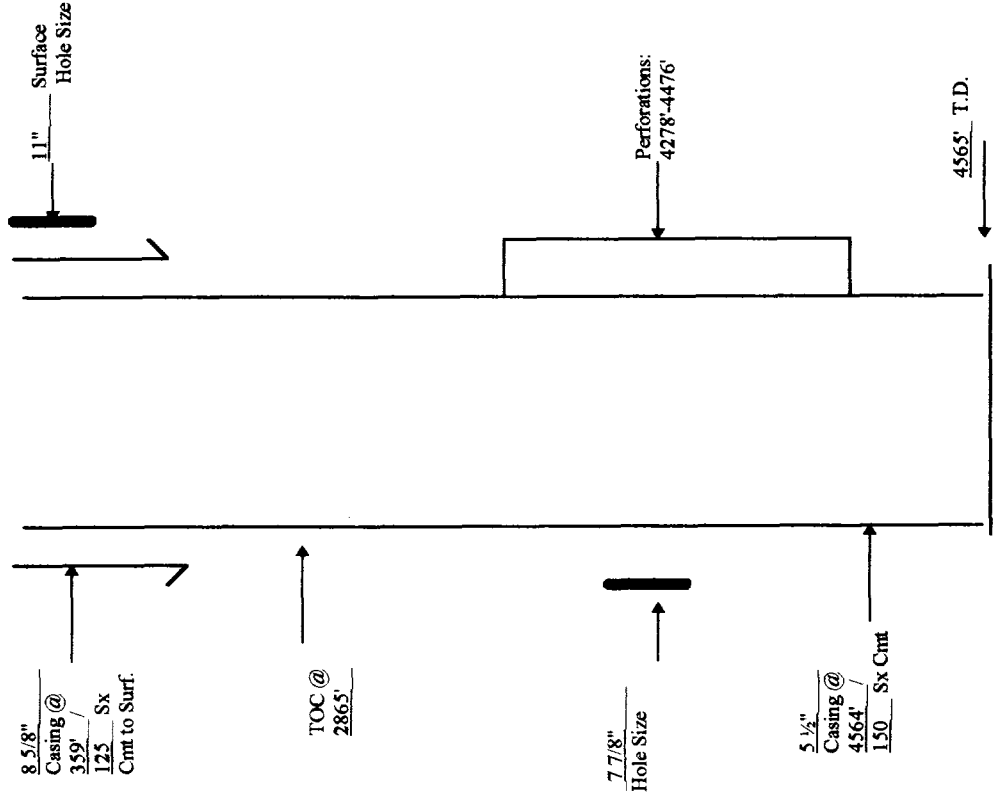
Hole Size 7 7/8"

Total Depth 4565'

Injection Interval

4278' feet to 4476' feet

(perforated or open-hole; Indicate which)



INJECTION WELL DATA SHEET

Side 2

Tubing Size 1 it 2 3/8"/134 its 2 1/16" lined with _____ plastic _____ set in a
(type of internal coating)
Johnson Model 105 S Tension packer at 4214 feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? ____ Yes X No

If no, for what purpose was the well originally drilled? Oil production-Converted to WIW 4-19-67

TA WIW 12-24-80

2. Name of the injection formation Grayburg - San Andres Vacuum

3. Name of Field or Pool (if applicable) Majamar Grayburg San Andres

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and give plugging detail; i.e., sacks of cement or plug(s) used. 4278-4476'

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

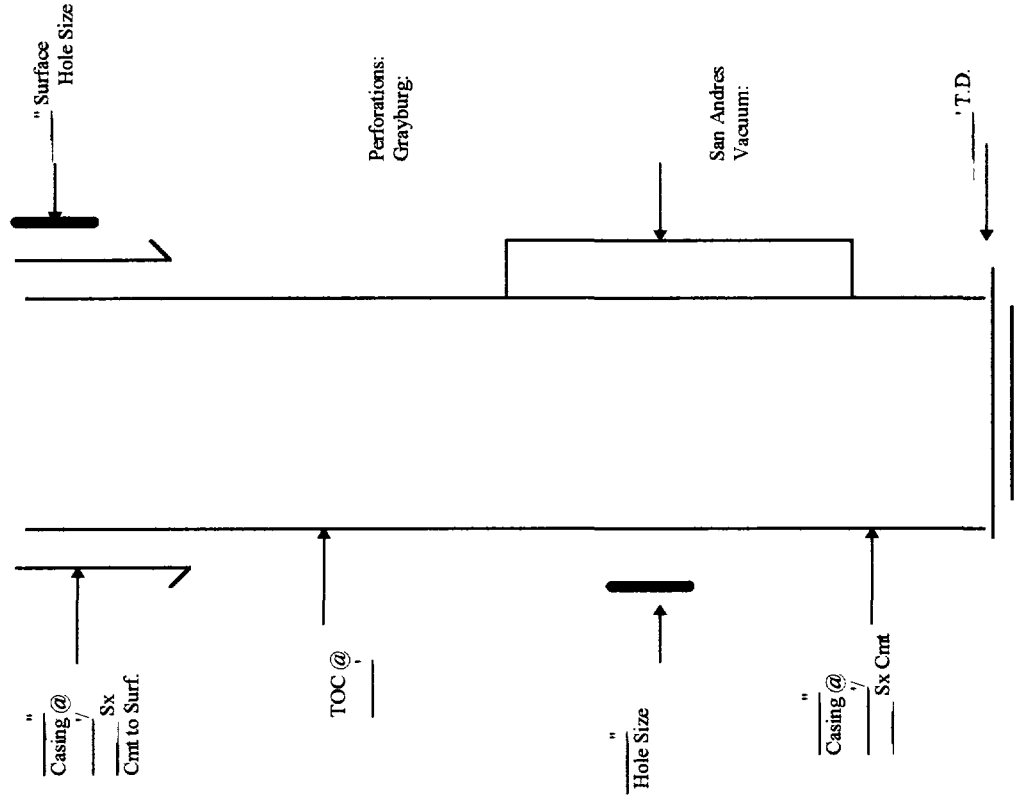
INJECTION WELL DATA SHEET

Side 1

OPERATOR The Wiser Oil Company LEASE BLM # LC-030437-A SECTION 24 TOWNSHIP 17S RANGE 32E

WELL NO. CMU #262 See note in Other Data on Side 2 FOOTAGE LOCATION

Schematic



Well Construction Data

Surface Casing Set @ ' Cemented with Sx.

Size " TOC ' feet determined by

Hole Size " Intermediate Casing

Size " Cemented with Sx.

TOC ' feet determined by

Hole Size Long String Set @ ' Cemented with Sx.

Size " TOC ' feet determined by

Hole Size Total Depth ' Injection Interval

feet to feet (perforated or open-hole; Indicate which)

INJECTION WELL DATA SHEET

Side 2

Tubing Size _____ lined with _____ set in a _____
(type of internal coating)
_____ packer at _____ feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? ☒ Yes ☐ No

If no, for what purpose was the well originally drilled? _____ APD is in process - the exact footage
location will be provided as soon as it has been surveyed _____

2. Name of the injection formation _____ Grayburg-San Andres Vacuum _____

3. Name of Field or Pool (if applicable) _____ Majiamar Grayburg San Andres _____

4. Has the well ever been perforated in any other zones(s)? List all such perforated intervals and
give plugging detail; i.e., sacks of cement or plug(s) used. _____

5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

C-108
APPLICATION FOR AUTHORIZATION TO INJECT

III. WELL DATA

The following data sheets describe the 29 Water Injection Wells for which this application is submitted by The Wiser Oil Company.