

**Hondo Oil & Gas Company**

Box 2088  
Santa Fe, New Mexico 87502  
Tel. 605-8700



**RECEIVED**

AUG - 1 1989

OIL CONSERVATION DIV.  
SANTA FE

July 20, 1989

Oil Conservation Division  
P.O. Box 2088  
Santa Fe, New Mexico 87501

RE: Application for permit to convert to Water Injection  
H.E. West "B" Well No. 18  
660' FSL & 1980' FEL, Section 3, T17S, R31E  
Eddy County, New Mexico

Gentlemen:

Please find enclosed Hondo Oil & Gas Company's application for permit to convert the above captioned well into a water injection well.

Copies have been submitted to the surface owner, the offset operators and the NMOCD district office in Artesia.

If you should have any questions, please contact Ron Brown at 505/625-6735.

Sincerely,



Layne Collis  
Engineering Technician

LC/jw

Encl.

**Hondo Oil & Gas Company**

Box 2208  
Roswell, New Mexico 88202  
(505)625-8700



July 20, 1989

Bureau of Land Management  
P.O. Box 1778  
Carlsbad, NM 88220

RE: Application for permit to convert to Water Injection  
H.E. West "B" Well No. 18  
660' FSL & 1980' FEL, Section 3, T17S, R31E  
Eddy County, New Mexico

Gentlemen:

According to the Oil Conservation Division Rule 701, a copy of any injection well permit application must be sent to the offset operators and surface owner. Enclosed is a copy of our application for administrative approval to convert the above captioned well to a water injection well.

If you should have any questions, please contact Ron Brown at 505/625-6735.

Sincerely,

A handwritten signature in cursive script that reads "Layne Collis".

Layne Collis  
Engineering Technician

LC/jw

Encl.

**Hondo Oil & Gas Company**

Box 2208  
Roswell, New Mexico 88202  
(505)625 8700



July 20, 1989

Texaco  
P.O. Box 3109  
Midland, TX 79702

RE: Application for permit to convert to Water Injection  
H.E. West "B" Well No. 18  
660' FSL & 1980' FEL, Section 3, T17S, R31E  
Eddy County, New Mexico

Gentlemen:

According to the Oil Conservation Division Rule 701, a copy of any injection well permit application must be sent to the offset operators and surface owner. Enclosed is a copy of our application for administrative approval to convert the above captioned well to a water injection well.

If you should have any questions, please contact Ron Brown at 505/625-6735.

Sincerely,

A handwritten signature in cursive script that reads 'Layne Collis'. The signature is written in dark ink and is positioned above the typed name.

Layne Collis  
Engineering Technician

LC/jw

Encl.

**Hondo Oil & Gas Company**

Box 2208  
Roswell, New Mexico 88202  
(505)625-8700



July 20, 1989

Kennedy Oil Company  
P.O. Box  
Mayhill, NM 88339

RE: Application for permit to convert to Water Injection  
H.E. West "B" Well No. 18  
660' FSL & 1980' FEL, Section 3, T17S, R31E  
Eddy County, New Mexico

Gentlemen:

According to the Oil Conservation Division Rule 701, a copy of any injection well permit application must be sent to the offset operators and surface owner. Enclosed is a copy of our application for administrative approval to convert the above captioned well to a water injection well.

If you should have any questions, please contact Ron Brown at 505/625-6735.

Sincerely,

A handwritten signature in cursive script that reads 'Layne Collis'.

Layne Collis  
Engineering Technician

LC/jw

Encl.

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage  
Application qualifies for administrative approval? ☐ yes ☐ no
- II. Operator: Hondo Oil & Gas Company  
Address: P. O. Box 2208, Roswell, New Mexico 88202  
Contact party: Ron Brown Phone: (505) 625-6735
- 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-2268.
- 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: Ron Brown Title Petroleum Engineer  
Signature: \_\_\_\_\_ Date: 7-19-89
- \* 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.

HONDO OIL & GAS COMPANY  
APPLICATION FOR AUTHORITY TO INJECT  
SUPPLEMENTAL INFORMATION  
H.E. WEST "B" WELL NO. 18  
EDDY COUNTY, NEW MEXICO

ITEM:

III. Well Data

A. (1) Well Name: H.E. West "B" #18  
660' FSL & 1980' FEL  
Section 3, T17S, R31E  
Eddy County, New Mexico

(2) Casing Data:

Surface Casing:

10 3/4", 32.75#, set @ 797', cemented with 100 sx.

Production Casing:

5 1/2", 17#, set @ 3725', cemented with 100 sx.

(3) Injection Tubing:

2" fiberglass set @ 3310'.

(4) Packer:

Packer set @ 3310'.

B. (1) Injection Formation:

Grayburg San Andres

(2) Injection Interval:

Injection will be through existing perforations (3393-3464')  
and new perforations 3386-3705' and OH (3725-3994')

HONDO OIL & GAS COMPANY  
APPLICATION FOR AUTHORITY TO INJECT  
H.E. WEST "B" WELL NO. 18  
Page 2

(3) Original Purpose of Well:

This well was drilled, completed and tested through Grayburg San Andres perforations 3141-3673'.

(4) Added Perforated Intervals: (Also see Exhibit "B".)

This well was perforated from 3386-3705' (67 holes), for conversion to an injector.

(5) Higher/Lower Oil Zones:

The top of the Seven Rivers is @ ± 2300' and there is no lower oil zone.

V. Map:

See Exhibit "A".

HONDO OIL & GAS COMPANY  
APPLICATION FOR AUTHORITY TO INJECT  
H.E. WEST "B" WELL NO. 18  
Page 3

VI. Wells in Area of Review:

Operator: Hondo Oil & Gas Company

Well Name: H.E. West "B" #26

Location: 1980' FSL & 660' FEL, Section 3, T17S, R31E

Spud Date: 1-12-61

Completion Date: 3-17-61

Surface Casing: 8 5/8", 24#, set @ 845', cemented with 100 sx.

Production Casing: 4 1/2", 9.5#, set @ 3757', cemented with 100 sx.

Total Depth: 3757'

Completion: Completed as a producer in the Grayburg San Andres through perforations 3714-3734'. On 3-21-66, set a CIBP @ 3690' and converted well to a WIW through perforations 3422-3579'.

Operator: Hondo Oil & Gas Company

Well Name: H.E. West "B" #25

Location: 660' FSL & 660' FEL, Section 3, T17S, R31E

Spud Date: 11-18-60

Completion Date: 1-9-61

Surface Casing: 8 5/8", 22.36#, set @ 835', cemented with 100 sx.

Production Casing: 4 1/2", 9.5#, set @ 3675', cemented with 125 sx.

Total Depth: 3675'

Completion: Completed as a producer in the Grayburg (Premier) through perforations 3541-47'.



HONDO OIL & GAS COMPANY  
APPLICATION FOR AUTHORITY TO INJECT  
H.E. WEST "B" WELL NO. 18  
Page 4

VI. Wells in Area of Review:

Operator: Hondo Oil & Gas Company

Well Name: H.E. West "B" #37

Location: 1980' FSL & 1980' FEL, Section 3, T17S, R31E

Spud Date: 11-12-88

Completion Date: 12-23-88

Surface Casing: 8 5/8", 24#, set @ 627', cemented with 400 sx.

Production Casing: 5 1/2", 17#, set @ 4082', cemented with 1350 sx.

Total Depth: 4082'

Completion: Completed as a producer in the Grayburg San Andres through perforations 3911-4009', 3653-3881' and 3410-3614'.

Operator: Hondo Oil & Gas Company

Well Name: H.E. West "A" #11

Location: 1980' FNL & 1980' FEL, Section 3, T17S, R31E

Spud Date: 9-29-59

Completion Date: 11-27-59

Surface Casing: 8 5/8", 24#, set @ 817', cemented with 100 sx.

Production Casing: 5 1/2", 14#, set @ 3500', cemented with 100 sx.

Total Depth: 3500' (original) 3650' (present) 3986' (proposed)

Completion: Completed as a producer in the Grayburg San Andres through perforations 3445-3452'. Well was shut-in 1-19-70. Well was re-entered and deepened to 3650' and the existing perforations squeezed on 10-8-81. Well is now producing through OH interval 3500-3650'. We plan to deepen this well to 3986'.

HONDO OIL & GAS COMPANY  
APPLICATION FOR AUTHORITY TO INJECT  
H.E. WEST "B" WELL NO. 18  
Page 5

VI. Wells in Area of Review:

Operator: Hondo Oil & Gas Company

Well Name: H.E. West "A" #12

Location: 1980' FNL & 660' FEL, Section 3, T17S, R31E

Spud Date: 3-18-61

Completion Date: 5-23-61

Surface Casing: 8 5/8", 24#, set @ 840', cemented with 100 sx.

Production Casing: 4 1/2", 9.5#, set @ 3760', cemented with 200 sx.

Total Depth: 3760'

Completion: Completed in the Grayburg San Andres through perforations 3709-3544'. Well was SI 5-71. On 5-1-81 the well was P&A'd.

Operator: Hondo Oil & Gas Company

Well Name: H.E. West "B" #23

Location: 1980' FSL & 1980' FWL, Section 3, T17S, R31E

Spud Date: 7-26-59

Completion Date: 9-10-59

Surface Casing: 8 5/8", 24#, set @ 797', cemented with 100 sx.

Production Casing: 5", 11.5#, set @ 3465', cemented with 100 sx.

Total Depth: 3456' (original) 3557' (present)

Completion: Completed as a Grayburg San Andres producer through perforations 3413-21' and 3429-35'. In 3-64, deepened well to 3557' and perfed 3374-84' with OH interval 3456-3557'. Well converted to dual injection 3-27-64. Well had leak in the 5" csg, csg found to be in very poor condition and stuck @ 1260'. Well P&A'd 4-27-82. We plan to drill another well named H.E. West #23, 50' west of this well.

HONDO OIL & GAS COMPANY  
APPLICATION FOR AUTHORITY TO INJECT  
H.E. WEST "B" WELL NO. 18  
Page 6

VI. Wells in Area of Review:

Operator: Hondo Oil & Gas Company

Well Name: H.E. West "B" #16

Location: 660' FSL & 660 FWL, (M) Section 3, T17S, R31E

Completion Date: 8/58

Surface Casing: 10 3/4" set @ 765', cemented with 100 sx.

Production Casing: 5 1/2" set @ 3673', cemented with 100 sx.

Liner: 4" set from 3264-3978', cemented with 75 sx.

Total Depth: 3978'

Completion: Completed in the Grayburg San Andres as a producer from perforations 3370-3384' and 3570-3578'. Added perforations from 3333-3341', 3394-3397', 3439-3497' and 3501-3520'. Deepened, ran liner and converted to injection through perforations 3792-3961', 3546-3742' and 3333-3523'.

Operator: Hondo Oil & Gas Company

Well Name: H.E. West "B" #15

Location: 1980' FNL & 1980' FEL, (G) Section 10, T17S, R31E

Completion Date: 6/58

Surface Casing: 10 3/4" set @ 780', cemented with 200 sx.

Production Casing: 5 1/2" set @ 3728', cemented with 100 sx.

Liner: An 834', 4" liner with the top of the liner @ 3119', cemented with 50 sx.

Total Depth: 3952'

Completion: Completed in the Grayburg San Andres as a producer through perforations 3515-3540' and 3372-3378'. Deepened, ran liner and converted to injection through perforations 3799-3916', 3392-3752' and 3368-3378'.

HONDO OIL & GAS COMPANY  
APPLICATION FOR AUTHORITY TO INJECT  
H.E. WEST "B" WELL NO. 18  
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VI. Wells in Area of Review:

Operator: Hondo Oil & Gas Company

Well Name: H.E. West "B" #24

Location: 660' FNL & 660' FEL, (A) Section 10, T17S, R31E

Completion Date: 1/60

Surface Casing: 8 5/8" set @ 815', cemented with 100 sx.

Production Casing: 5 1/2" set @ 3604', cemented with 100 sx.

Liner: 4" set from 3200-4008', cemented with 50 sx.

Total Depth: 4008'

Completion: Completed in the Grayburg San Andres as a producer from perforations 3396-3402' and 3350-3560'. Converted to injection with the addition of perforations 3430-3438', 3448-3456' and 3462-3468'. Deepened, ran liner and will inject through new perforations.

Operator: Hondo Oil & Gas Company

Well Name: H.E. West "B" #19

Location: 660' FNL & 1980' FWL, (C) Section 10, T17S, R31E

Completion Date: 1/59

Surface Casing: 10 3/4" set @ 785', cemented with 100 sx.

Production Casing: 5 1/2" set @ 3501', cemented with 100 sx.

Liner: 4" set from 3300-3998', cemented with 50 sx.

Total Depth: 3998'

Completion: Completed in the Grayburg San Andres as a producer from perforations 3422-3430'. Converted to injection with the addition of perforations from 3438-3441' and 3378-3389' and OH interval 3501-3585'. Converted to single WIW by setting a BP @ 3466'. Deepened, ran liner and will inject through new perforations.

HONDO OIL & GAS COMPANY  
APPLICATION FOR AUTHORITY TO INJECT  
H.E. WEST "B" WELL NO. 18  
Page 8

VI. Wells in Area of Review:

Operator: Viking Energy Corporation

Well Name: ARCO Federal #1

Location: 660' FNL & 1980' FEL, (B) Section 10, T17S, R31E

Completion Date: 11/78

Surface Casing: 8 5/8" set @ 850', cemented with 400 sx.

Production Casing: 4 1/2" set @ 5515, cemented with 850 sx.

Total Depth: 5515'

Completion: Tested first in the Paddock through perforations 5314-5426' and then plugged back to 4300'. Next, tested the Lovington Sand through perforations 3710-3718' and then plugged back to 3680'. Completed as a producer from the Grayburg San Andres perfs 3402-3443' and 3538-3576'. P&A'd well 1/79.

Operator: Mid-Century Oil & Gas Company

Well Name: Tidewater State #1

Location: 660' FWL & 660' FSL, Section 2, T17S, R31E

Spud Date: 9-8-60

Completion Date: 10-8-60

Surface Casing: 8 5/8", 24#, set @ 374'

Production Casing: 5 1/2", 15.5#, set @ 3758'

Total Depth: 3761'

Completion: Completed as a producer in the Grayburg San Andres through perforations 3500-3504', 3581-3586' and 3613-3619'.

HONDO OIL & GAS COMPANY  
APPLICATION FOR AUTHORITY TO INJECT  
H.E. WEST "B" WELL NO. 18  
Page 9

VII. Proposed Operations Data:

- (1) Average daily injection rate - 150 BWPD  
Maximum daily injection rate - 200 BWPD
- (2) Type of system - closed
- (3) Average injection pressure - 1900 psi  
Maximum injection pressure - 2200 psi
- (4) Source of injection water - water produced from the Keel West plus make-up water from the Keel West fresh water system.

VIII. Geological Data:

The proposed injection zone is in the Grayburg San Andres from 3386-3705'. The Grayburg formation consists primarily of quartz sand with cementation. The San Andres formation consists primarily of dolomite with intermingled stringers of quartz sand with dolomite cementation.

Surface formation is cretaceous and has no known source of drinking water. Also, there are no known underground sources of drinking water overlying or underlying the proposed injection zone.

IX. Stimulation Program:

This well was acidized from 3386-3705' with 4000 gal 15% NeFe acid with rock salt blocks. Frac'd with 40,000 gal cross-linked gel GW, carrying 69,420# 20-40 sand.

X. Well Logs:

Copies of the current well logs are attached.

HONDO OIL & GAS COMPANY  
APPLICATION FOR AUTHORITY TO INJECT  
H.E. WEST "B" WELL NO. 18  
Page 10

XI. Chemical Analysis of Fresh Water:

There are no known producing fresh water wells within one mile of the proposed injection well.

XII. Upon examination of the available geologic and engineering data, no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water was found.

SURFACE OWNER:

Federal land

OFFSET OPERATOR:

Kennedy Oil Company  
P.O. Box 47  
Mayhill, NM 88339

Texaco Producing  
P.O. Box 3109  
Midland, TX 79702

# Affidavit of Publication

Copy of Publication

No. 12855

STATE OF NEW MEXICO,  
County of Eddy:

Gary D. Scott being duly  
sworn, says: That he is the Publisher of The  
Artesia Daily Press, a daily newspaper of general circulation,  
published in English at Artesia, said county and state, and that  
the hereto attached Legal Notice

was published in a regular and entire issue of the said Artesia  
Daily Press, a daily newspaper duly qualified for that purpose  
within the meaning of Chapter 167 of the 1937 Session Laws of  
the State of New Mexico for 1 consecutive weeks on  
the same day as follows:

First Publication July 26, 1989

Second Publication

Third Publication

Fourth Publication

and that payment therefore in the amount of \$  
has been made.

Subscribed and sworn to before me this 26th day  
of July, 1989.

*Graham A. Bean*  
Notary Public, Eddy County, New Mexico

My Commission expires September 23, 1991

## LEGAL NOTICE

Hondo Oil & Gas Company  
has applied for authority to  
convert the H. E. West "B"  
Well No. 18, located 660'  
FSL & 1980' PBL, Section 3,  
T-17S, R-31E, Eddy County,  
New Mexico into a water in-  
jection well. Water produced  
from the Keel West plus  
make-up water from the Keel  
West fresh water system will  
be injected into the Grayburg  
Salt Water Formation from  
338' to 350' depth. The maximum  
daily injection rate will be 200  
BWPD and the maximum pres-  
sure of 2200 psi.  
Interested parties must file ob-  
jections or requests for hear-  
ings with the Oil Conservation  
Division, P.O. Box 2088,  
Santa Fe, New Mexico 87501,  
within 15 days of this notice.  
Ron Brown  
Petroleum Engineer  
Hondo Oil & Gas Company  
P.O. Box 2208  
Roswell, New Mexico 88202  
(505) 625-8760  
Published in the Artesia Daily  
Press, Artesia, N.M. July 26,  
1989.

Legal 12855



**SENDER:** Complete Items 1 and 2 when additional services are desired, and complete Items 3 and 4.  
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☒ Show to whom delivered, date, and addressee's address. ☐ Restricted Delivery  
↑(Extra charge)↑

3. Article Addressed to:  Texaco Producing Co. P. O. Box 3109 Midland, TX 79702	4. Article Number P663397628 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail Always obtain signature of addressee or agent and <b>DATE DELIVERED.</b>
5. Signature — Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature — Agent X	
7. Date of Delivery	

PS Form 3811, Mar. 1987      \* U.S.G.P.O. 1987-178-268      **DOMESTIC RETURN RECEIPT**

**SENDER:** Complete Items 1 and 2 when additional services are desired, and complete Items 3 and 4.  
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☒ Show to whom delivered, date, and addressee's address. ☐ Restricted Delivery  
↑(Extra charge)↑

3. Article Addressed to:  Oil Conservation Division P. O. Box 2088 Santa Fe, NM 87501	4. Article Number P663397631 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail Always obtain signature of addressee or agent and <b>DATE DELIVERED.</b>
5. Signature — Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature — Agent X	
7. Date of Delivery	

PS Form 3811, Mar. 1987      \* U.S.G.P.O. 1987-178-268      **DOMESTIC RETURN RECEIPT**

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1. ☒ Show to whom delivered, date, and addressee's address. ☐ Restricted Delivery  
↑(Extra charge)↑

3. Article Addressed to:  Bureau of Land Management P. O. Box 1778 Carlsbad, NM 88220	4. Article Number P663397629 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail Always obtain signature of addressee or agent and <b>DATE DELIVERED.</b>
5. Signature — Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature — Agent X	
7. Date of Delivery	

PS Form 3811, Mar. 1987      \* U.S.G.P.O. 1987-178-268      **DOMESTIC RETURN RECEIPT**

1. ☒ Show to whom delivered, date, and addressee's address.  
↑(Extra charge)↑

2. ☐ Restricted Delivery  
↑(Extra charge)↑

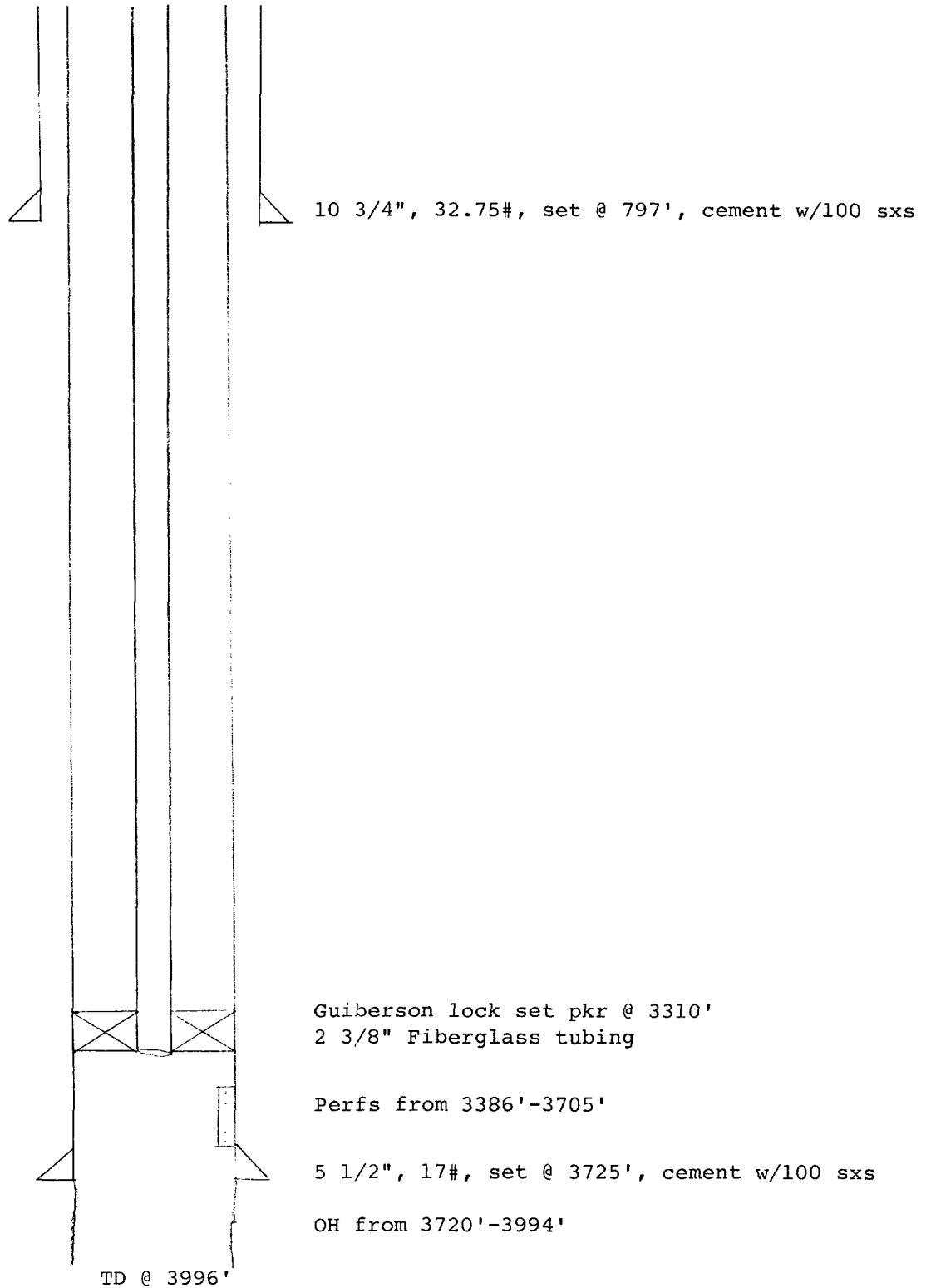
<p>3. Article Addressed to:</p> <p>NMOCD</p> <p>P. O. Drawer DD</p> <p>Artesia, NM 88210</p>	<p>4. Article Number</p> <p>P663397632</p> <p>Type of Service:</p> <p><input type="checkbox"/> Registered      <input type="checkbox"/> Insured</p> <p><input checked="" type="checkbox"/> Certified      <input type="checkbox"/> COD</p> <p><input type="checkbox"/> Express Mail</p> <p>Always obtain signature of addressee or agent and <u>DATE DELIVERED</u>.</p>
<p>5. Signature — Addressee</p> <p>X</p>	<p>8. Addressee's Address <i>(ONLY if requested and fee paid)</i></p>
<p>6. Signature — Agent</p> <p>X</p>	
<p>7. Date of Delivery</p>	

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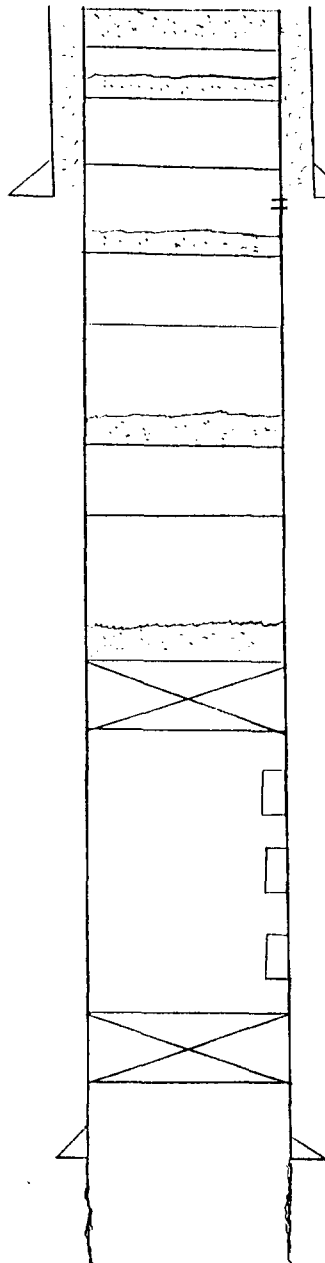
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• Leringlen •

HONDO OIL & GAS COMPANY  
H. E. WEST "B" #18  
660' FSL & 1980' FWL  
Section 3, T-17S, R-31E  
Eddy County, New Mexico



HONDO OIL & GAS COMPANY  
H. E. WEST "B" #23  
1980' FNL & 1980' FWL  
Section 3, T-17S, R-31E



Set 150' Surface Plug

Set retainer @ 750' w/100 sxs cmt on top

8 5/8", 24#, set @ 797', cmt w/100 sxs

Perf 2 shots @ 800'

TOC @ 1070'

Set retainer @ 1155'

Set retainer @ 1627' w/100 sxs cmt on top

TOC @ 2670'

Set CIBP @ 2978'

Perf @ 3374'-3384'

Perf @ 3413'-3421'

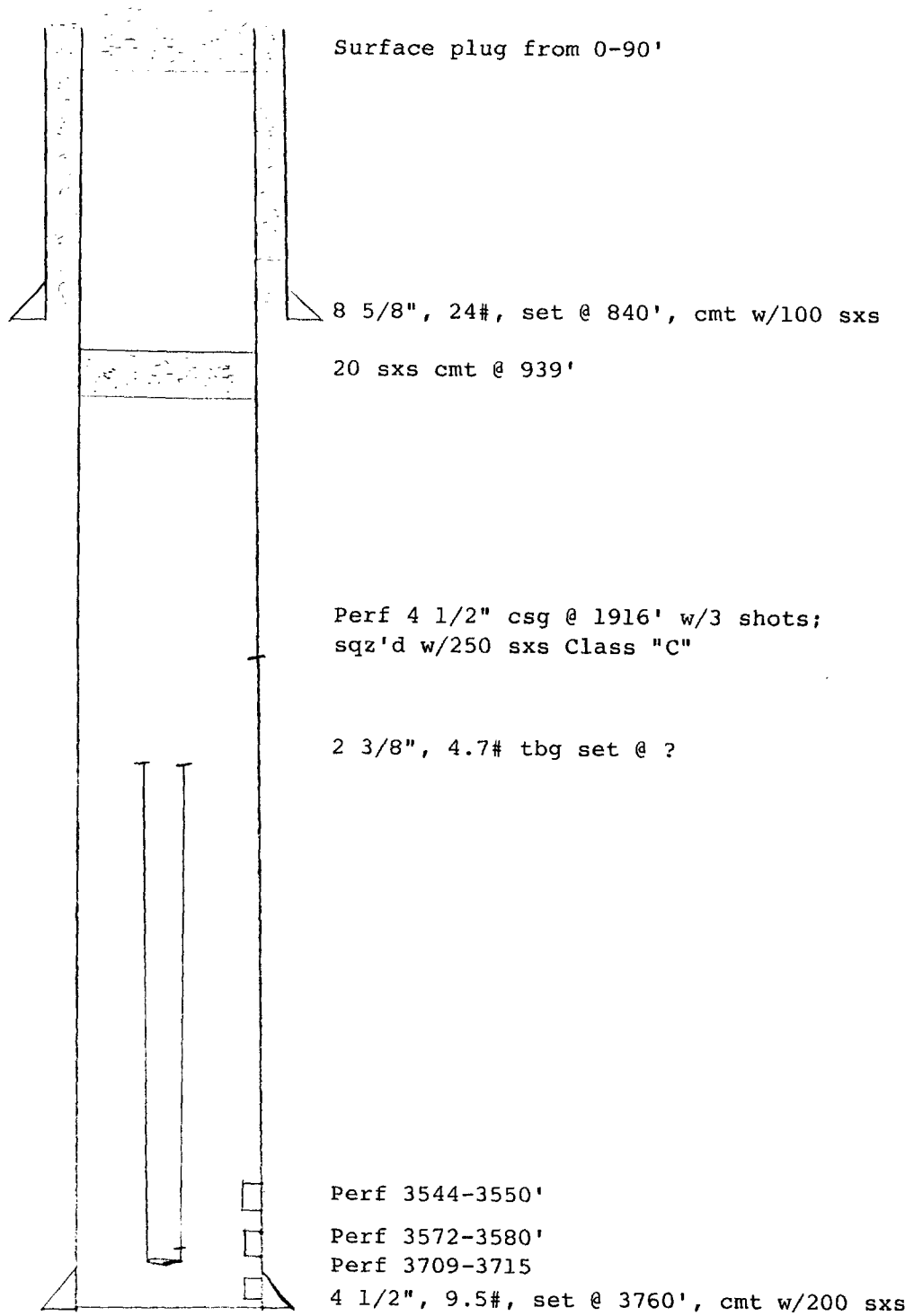
Perf @ 3429'-3435'

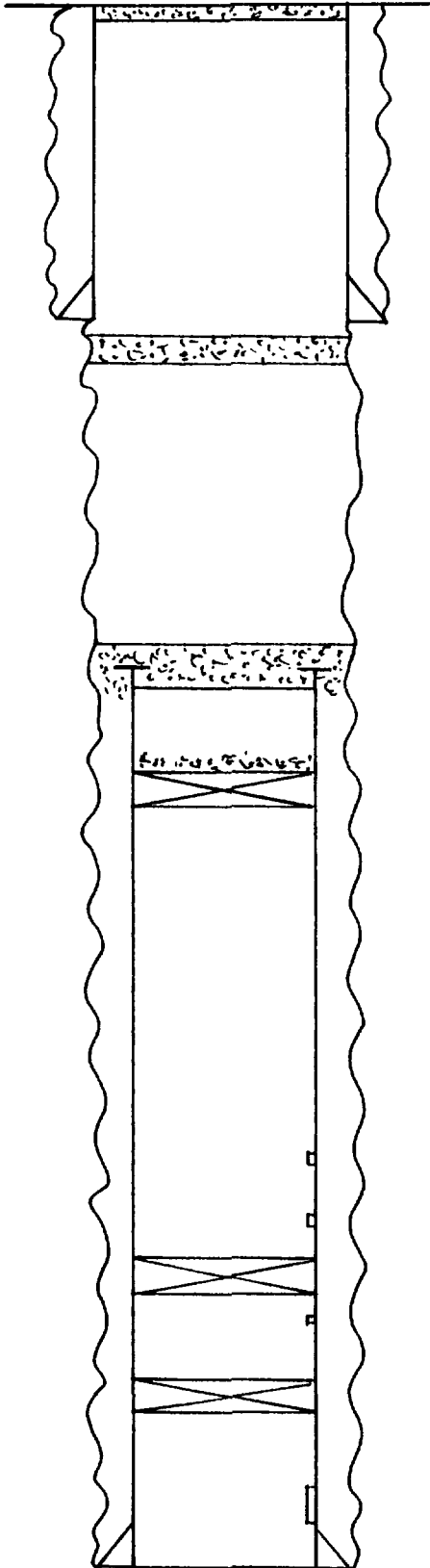
CIBP @ 3451'

5", 11.5#, set @3456', cmt w/100 sxs

TD @ 3557'

HONDO OIL & GAS COMPANY  
H. E. WEST "A" #12  
1980' FNL & 660' FEL  
Section 3, T-17S, R-31E  
Eddy County, New Mexico





TD 5515'

8 5/8" csg. set @ 810', cmt. w/400 sx.

Plugged well as follows:

- (1) set CIBP @ 2280' w/35' cmt. on top
- (2) 25 sx. cmt. plug at 4 1/2" csg. stub (est. to be 1800')
- (3) 35 sx. cmt. plug @ 860'
- (4) 20' cmt. plug @ surf.

cut 4 1/2" csg. @ approx. 1800' and pulled

Perf. 3402-3443'

Perf. 3538-3576'

Plugged back to 3680' w/CIBP

Perf. 3710-3718'

Plugged back to 4300' w/CIBP

Perf. 5314-5426'

4 1/2" csg. set @ 5515', cmt. w/850 sx.