

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. 34
1980' FSL & 660' FEL, Section 10, 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 'Lisa Bohannon'. The signature is written in dark ink and is positioned above the typed name.

Lisa Bohannon
Engineering Technician

LB/jw

Encl.

Hondo Oil & Gas Company



RECEIVED

JUL 31 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. 34
1980' FSL & 660' FEL, Section 10, 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,

Lisa Bohannon
Engineering Technician

LB/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, NM 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: Ron Brown by AB Date: 7/20/89
- * 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. Copies of well logs have been submitted.

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

HONDO OIL & GAS COMPANY
APPLICATION FOR AUTHORITY TO INJECT
H.E. WEST "B" WELL NO. 34

ITEM:

III. Well Data

- A. (1) Well Name: H.E. West "B" #34
1980' FSL & 660' FEL
Section 10, T17S, R31E
Eddy County, New Mexico
- (2) Casing Data: (See Exhibit "B".)
- Surface Casing:
8 5/8" csg set @ 629', cemented with 450 sx. TOC @
surface. (Cmt. circ.)
- Production Casing:
5 1/2" csg set @ 3885', cemented with 1650 sx. TOC @
surface. (Cmt. circ.)
- (3) Injection Tubing:
2 3/8", 4.7#, 8rd EUE, plastic coated tbg, set @ ± 3290'.
- (4) Packer:
Packer set @ ± 3290'.
- B. (1) Injection Formation:
The injection formation will be the Grayburg San Andres.
- (2) Injection Interval:
The injection interval is to be from 3341-3802'.

HONDO OIL & GAS COMPANY
APPLICATION FOR AUTHORITY TO INJECT
H.E. WEST "B" WELL NO. 34
Page 2

(3) Original Purpose of Well:

This well was originally drilled, completed and tested in the Grayburg San Andres as a producer through perforations 3341-3802'.

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

None.

(5) Higher/Lower Oil Zones:

The top of the Seven Rivers is @ \pm 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. 34
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VI. Wells in Area of Review:

Operator: Hondo Oil & Gas Company

Well Name: H.E. West "B" #14

Location: 1980' FSL & 1980' FWL, (K) Section 10, T17S, R31E

Completion Date: 1/58

Surface Casing: 8 5/8" set @ 762', cemented with 100 sx.

Production Casing: 7" set @ 3563', cemented with 100 sx.

Liner: 5" set from 3300-3953', cemented with 150 sx.

Total Depth: 3953'

Completion: Completed in the Grayburg San Andres as a producer from perforations 3380-3396'. Converted to injection with the addition of perforations from 3343-3351', 3496-3500', 3505-3513' and 3526-3537' and the OH interval 3563-3632'. Deepened, ran liner and will inject through new perforations.

Operator: Hondo Oil & Gas Company

Well Name: H.E. West "B" #42

Location: 2105' FNL & 660' FEL, (H) Section 10, T17S, R31E

Completion Date: 2/89

Surface Casing: 8 5/8" set @ 641', cemented with 400 sx.

Production Casing: 5 1/2" set @ 3985', cemented with 1250 sx.

Total Depth: 4004'

Completion: Completed in the Grayburg San Andres as a producer from perforations 3398-3524', 3546-3599' and 3614-3791'.

HONDO OIL & GAS COMPANY
APPLICATION FOR AUTHORITY TO INJECT
H.E. WEST "B" WELL NO. 34
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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 3550-3560'. 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" #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. 34
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VI. Wells in Area of Review:

Operator: Hondo Oil & Gas Company

Well Name: H.E. West "B" #20

Location: 660' FSL & 1980' FEL, (O) Section 10, T17S, R31E

Completion Date: 2/59

Surface Casing: 10 3/4" set @ 797', cemented with 100 sx.

Production Casing: 5 1/2" set @ 3635', cemented with 100 sx.

Liner: 4" set from 3177-3966', cemented with 50 sx.

Total Depth: 3971'

Completion: Completed in the Grayburg San Andres as a producer from perforations 3398-3410', 3542-3556' and 3603-3611'. Added perforations from 3359-3364'. Deepened and converted to injection through perforations 3858-3937', 3677-3839' and 3353-3634'.

Operator: Hondo Oil & Gas Company

Well Name: H.E. West "B" #31

Location: 660' FSL & 660' FEL, (P) Section 10, T17S, R31E

Completion Date: 7/88

Surface Casing: 8 5/8" set @ 630', cemented with 450 sx.

Production Casing: 5 1/2" set @ 4218', cemented with 1300 sx.

Total Depth: 4218'

Completion: Tested Lower San Andres through perforations 4041-4087. Squeezed perforations 4041-4087' and perforated 3820-3961'. Set CIBP @ 3767' and completed in the Grayburg San Andres from perforations 3301-3650'.

HONDO OIL & GAS COMPANY
APPLICATION FOR AUTHORITY TO INJECT
H.E. WEST "B" WELL NO. 34
Page 6

VI. Wells in Area of Review:

Operator: Texaco Producing

Well Name: Lea "C" #10

Location: 1980' FSL & 660' FWL, (E) Section 11, T17S, R31E

Completion Date: 8/72

Surface Casing: 8 5/8" set @ 620', cemented with 350 sx.

Production Casing: 5 1/2" set @ 3939', cemented with 1600 sx.

Total Depth: 3940'

Completion: Completed in the Grayburg San Andres as a producer
from perforations 3385-3883'.

Operator: Texaco Producing

Well Name: Lea "C" #12

Location: 660' FSL & 660' FWL, (M) Section 11, T17S, R31E

Completion Date: 9/72

Surface Casing: 8 5/8" set @ 615', cemented with 350 sx.

Production Casing: 5 1/2" set @ 3908', cemented with 1200 sx.

Total Depth: 3910'

Completion: Completed in the Grayburg San Andres as a producer
from perforations 3327-3892'.

HONDO OIL & GAS COMPANY
APPLICATION FOR AUTHORITY TO INJECT
H.E. WEST "B" WELL NO. 34
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VI. Wells in Area of Review:

Operator: Texaco Producing

Well Name: Lea "C" #8

Location: 1980' FSL & 1980' FWL, (K) Section 11, T17S, R31E

Completion Date: 5/72

Surface Casing: 8 5/8" set @ 620', cemented with 350 sx.

Production Casing: 5 1/2" set @ 3950', cemented with 1300 sx.

Total Depth: 3950'

Completion: Completed in the Grayburg San Andres as a producer
from perforations 3419-3886'.

Operator: Texaco Producing

Well Name: Skelly Unit #108

Location: 660' FNL & 660' FEL, (A) Section 15, T17S, R31E

Completion Date: 4/71

Surface Casing: 8 5/8" set @ 629', cemented with 575 sx.

Production Casing: 5 1/2" set @ 3804', cemented with 700 sx.

Total Depth: 3804'

Completion: Completed in the Grayburg San Andres as a producer
from perforations 3375-3574'.

Hondo Oil & Gas Company

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



July 20, 1989

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

RE: Application for permit to convert to Water Injection
H.E. West "B" Well No. 34
1980' FSL & 660' FEL, Section 10, T17S, R31E
Eddy County, New Mexico

Gentlemen:

According to the Oil Conservation Division Rule 701, a copy of any injection well permit must be sent to the offset operators and surface owner. Enclosed is 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,



Lisa Bohannon
Engineering Technician

LB/jw

Encl.

HONDO OIL & GAS COMPANY
APPLICATION FOR AUTHORITY TO INJECT
H.E. WEST "B" WELL NO. 34
Page 8

VI. Wells in Area of Review:

Operator: Texaco Producing

Well Name: Lea "C" #11

Location: 1980' FSL & 660' FWL, (L) Section 11, T17S, R31E

Completion Date: 8/72

Surface Casing: 8 5/8" set @ 614', cemented with 350 sx.

Production Casing: 5 1/2" set @ 3940', cemented with 1600 sx.

Total Depth: 3930'

Completion: Completed in the Grayburg San Andres as a producer from perforations 3361-3872'. Converted to injection through existing perforations.

Operator: Repollo Oil Company

Well Name: J.L. Keel "B" #1

Location: Unit P, Section 10, T17S, R31E

Completion Date: N/A

Surface Casing: N/A

Production Casing: N/A

Total Depth: 3872'

Completion: P&A'd 5/27.

(Information obtained from NMOCD-Artesia. No file available.) (Not enough information available to complete a well bore sketch.)

HONDO OIL & GAS COMPANY
APPLICATION FOR AUTHORITY TO INJECT
H.E. WEST "B" WELL NO. 34
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 3341-3802'. 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:

Acidized 3616-3802' with 5000 gal 15% NeFe acid and frac'd with 100,000 gal 30# cross-linked gel + 130,000# 20-40 sand. Acidized 3341-3583' with 4000 gal 15% NeFe acid and frac'd with 80,000 gal cross-linked gel + 180,000# 20-40 sand.

X. Well Logs:

Copies of well logs have been submitted.

HONDO OIL & GAS COMPANY
APPLICATION FOR AUTHORITY TO INJECT
H.E. WEST "B" WELL NO. 34
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:

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

Affidavit of Publication

Copy of Publication

No. 12857

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 days
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. *Gary D. Scott*

Subscribed and sworn to before me this 26th day
of July 19 89

Burton Lee Gorman
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. 34, located 1980' FSL & 660' R-3H, Section 10, T-17S, R-3E, Eddy County, New Mexico, into a water injection well. Water produced from the Keel West plus make-up water from the Keel West fresh water system will be injected into the G. G. San Andres formation from 3341-3802'. The maximum daily injection rate will be 200 BWPD with a maximum pressure of 2200 psi. Interested parties must file objections or requests for hearing with the Oil Conservation Division, R. O. Box 2288, Santa Fe, New Mexico 87501, within 15 days of this notice.

Kon 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 12857

● **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)↑ ↑(Extra charge)↑

3. Article Addressed to: <i>Oil Conservation Division Box 2088 Santa Fe, NM 87501</i>	4. Article Number <i>P663 397 648</i> 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 DATE DELIVERED.
5. Signature — Addressee <i>X</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature — Agent <i>X</i>	
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)↑ ↑(Extra charge)↑

3. Article Addressed to: <i>Bureau of Land Mgmt Box 1778 Carlsbad, NM 88220</i>	4. Article Number <i>P663 397 649</i> 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 DATE DELIVERED.
5. Signature — Addressee <i>X</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature — Agent <i>X</i>	
7. Date of Delivery	

PS Form 3811, Mar. 1987

★ U.S.G.P.O. 1987-178-268

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↑(Extra charge)↑ ↑(Extra charge)↑

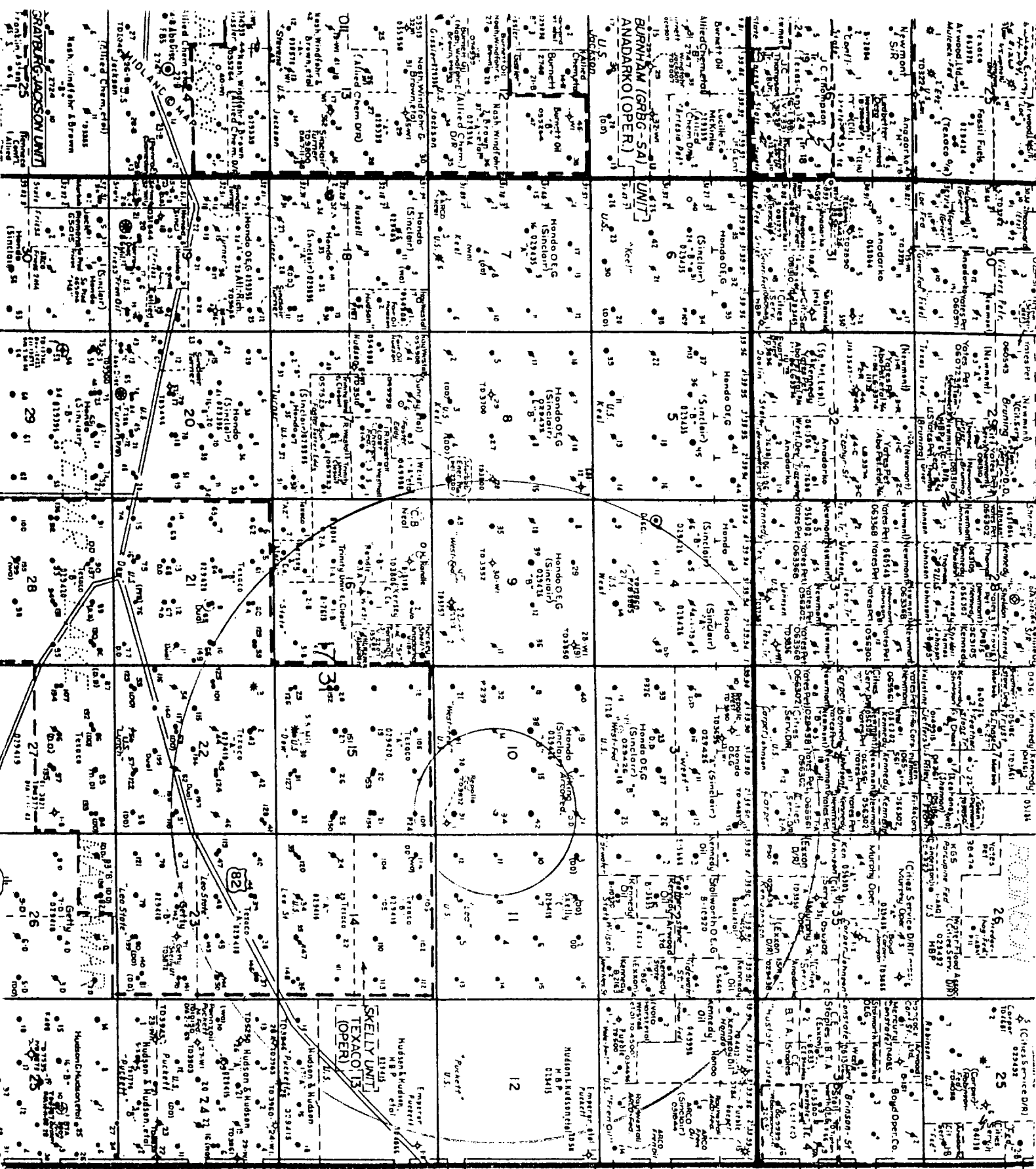
3. Article Addressed to: <i>TEXACO Producing CO. Box 3109 Midland, TX 79702</i>	4. Article Number <i>P663 397 650</i> Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature — Addressee <i>X</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature — Agent <i>X</i>	
7. Date of Delivery	

PS Form 3811, Mar. 1987

★ U.S.G.P.O. 1987-178-268

DOMESTIC RETURN RECEIPT

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<p>3. Article Addressed to:</p> <p style="font-size: 1.2em;">NMOCB P.O. Drawer DD Artesia, NM 88210</p>	<p>4. Article Number</p> <p style="font-size: 1.2em;">P663 397 641</p> <p>Type of Service:</p> <p><input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail</p> <p>Always obtain signature of addressee or agent and DATE DELIVERED.</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>	

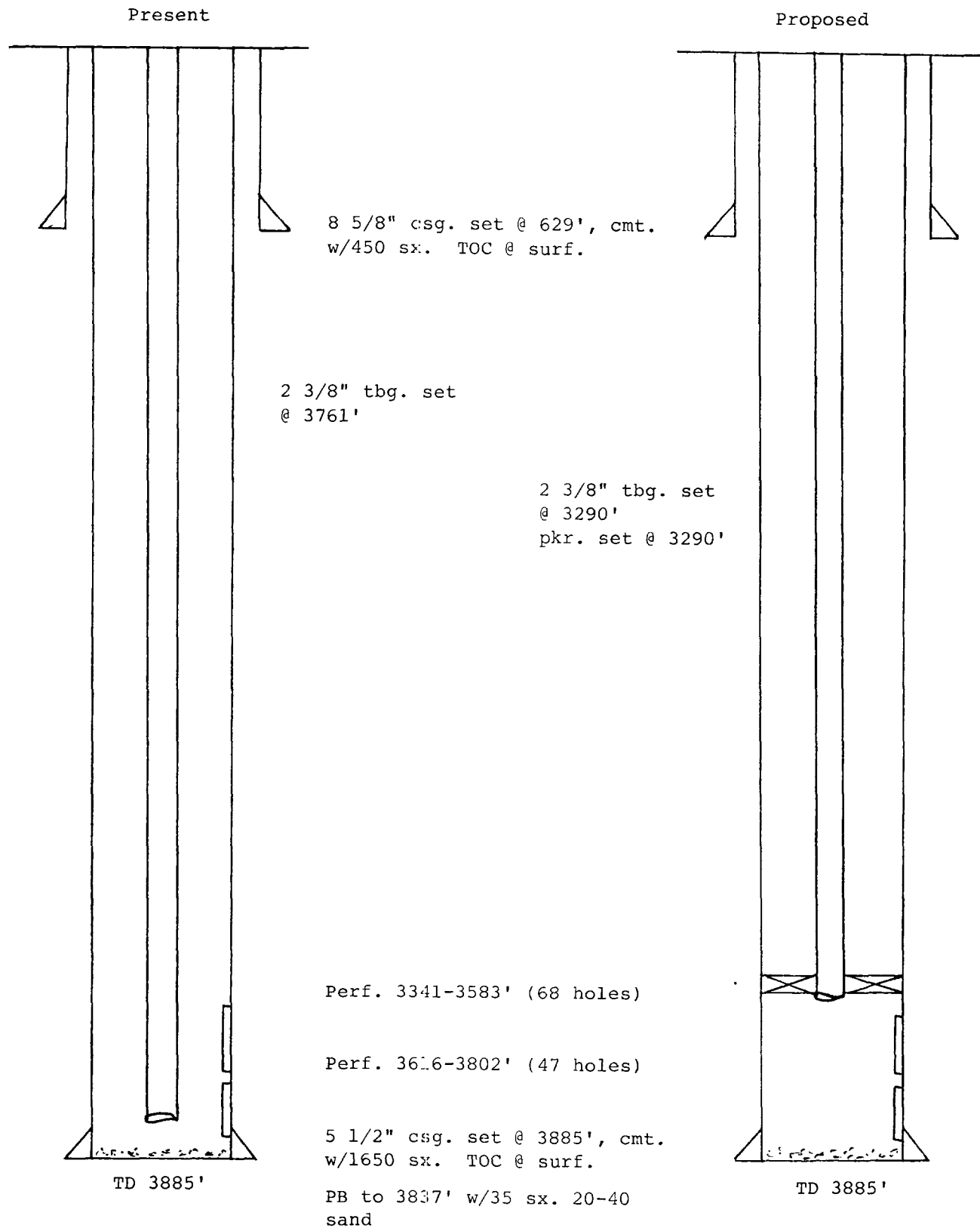


I7 S

EXHIBIT "A"
Hondo Oil & Gas Company
H. E. West "B" #34
Eddy County, New Mexico

EXHIBIT "B"
Hondo Oil & Gas Company
H. E. West "B" #34
Eddy County, New Mexico

H. E. WEST "B" WELL NO. 34



Hondo Oil & Gas Company

1000
P.O. Box 2088
Santa Fe, NM 87504-2088
(505) 833-1100



August 2, 1989

Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87504-2088

ATTN: David Catanach

RE: Keel West Flood
Eddy County, New Mexico

Gentlemen:

As requested, please find enclosed a map showing Hondo's Phase I of the above-captioned project.

If further information is needed, please advise.

Sincerely,



Lisa Bohannon
Engineering Technician

/lb

Encl.1

RECEIVED

AUG 4 1989

OIL CONSERVATION DIV.
SANTA FE

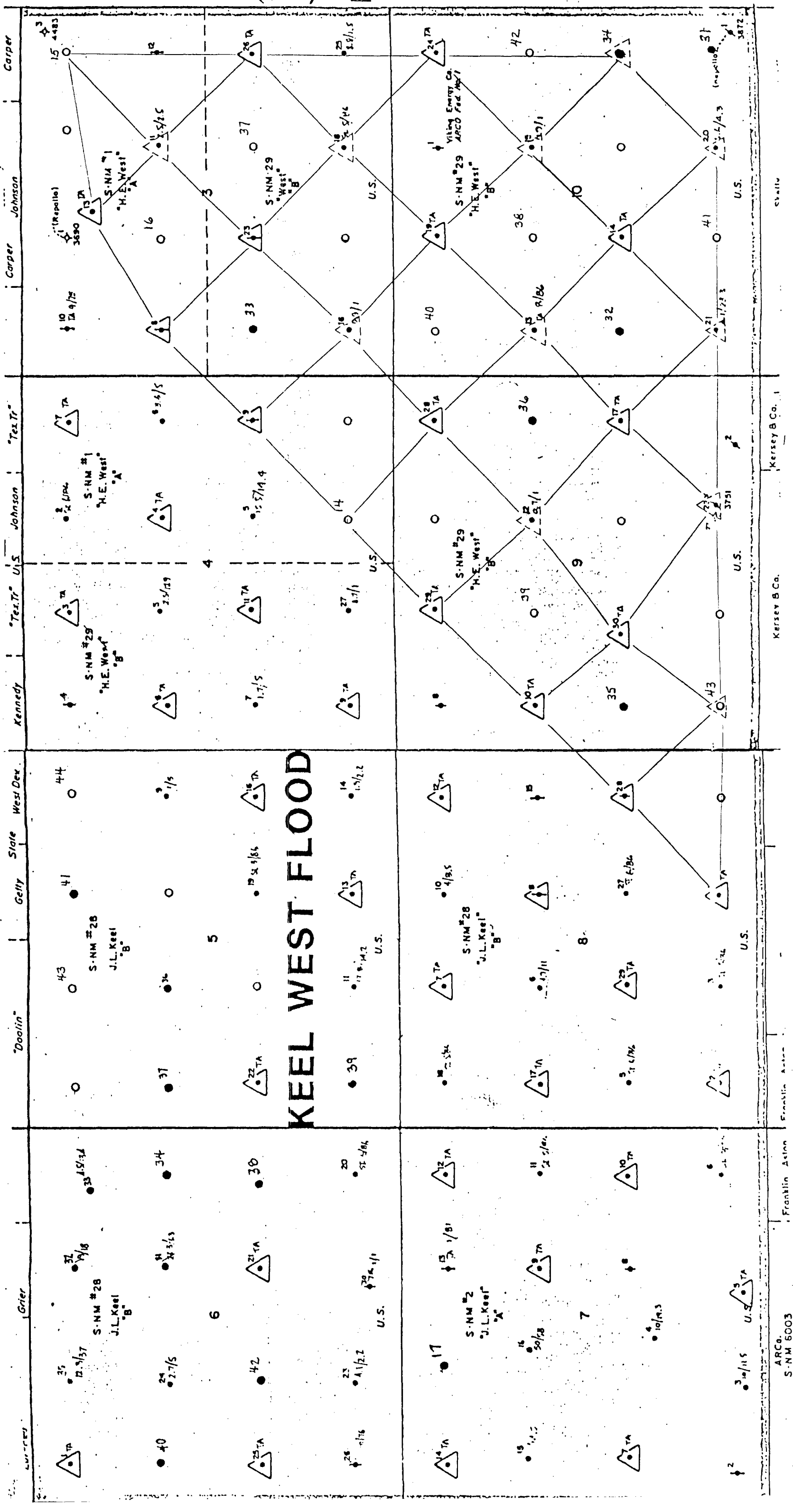
△△△ CONVERT TO WIW
△△△ DRILL & CONVERT TO WIW

△ RETURN AS WIW
△△ RE-ENTER & CONVERT TO WIW

△ RE-ENTER AS WIW
△ RE-DRILL AS WIW

DRILLING WELL AREA
PRESSURE MAINTENANCE
WATERFLOOD PATTERN

T-175



ARCO
S-NM 5003

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Franklin Airmo

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Area of Review Wells and/or Injection Wells That Are OK

HE West "B"

No. 10 ✓	No. 28 ✓	No. 30 ✓	No. 40 ✓
No. 11 ✓	No. 29 ✓	No. 31 ✓	No. 41 ✓
No. 12 ✓	No. 20 ✓	No. 32 ✓	No. 42 ✓
No. 13 ✓		No. 33 ✓	No. 43 ✓
		No. 34 ✓	No. 45 ✓
		No. 35 ✓	
		No. 36 ✓	
		No. 37 ✓	
		No. 38 ✓	
		No. 39 ✓	

HE West "A"

No. 5 ✓	No. 13 ✓
No. 6 ✓	No. 14 ✓
No. 8 PA ✓	No. 15 ✓
	No. 16 ✓

Other Wells:

Texaco Lea "C" Nos. 8, 10, 11, 12 ✓

Texaco Skelly Unit Nos. 17, 18, 20, 106, 108, 109, 153 ✓

Ray Westall Kersey State Nos. 1, 3 ✓

Hondo J.L. Keel Nos. 28, 46 ✓

Anadarko State AE No. 1 ✓

Murphy Operating Kennedy Johnson A No. 16 ✓

P&A Wells

Kersey & Company Shell State No. 1 ✓

Murphy Minerals Corp. Carper Johnson A No. 4 700 e 2593 4 BA. ✓

Arco Federal No. 1 ✓

Area of Review Wells Needing Further Investigation

HE West "B"

No. 9 Sec 4	No. 13 Sec 10	No. 21 Sec 10
No. 2 Sec 9 PA	No. 14 Sec 10	No. 22Y Sec 9
	No. 15 Sec 10	No. 23 Sec 3 PA
	No. 16 Sec 3	No. 24 Sec 10
	No. 17 Sec 9	No. 25 Sec 3
	No. 18 Sec 3	No. 26 Sec 3
	No. 19 Sec 10	No. 27 Sec 4

HE West "A"

NO. 4 Sec 4	No. 11 Sec 3
No. 9 Sec 4	No. 12 Sec 3 PA

10" 8 1/2" 755' 755'
8 1/2" 285'

Other Wells:

Repollo Oil Co. ^{NE} J.L. Keel B No. 1 10, 17, 31 (Unit B)
^{NE} H.E. West No. 1 3, 17, 31 PA - 660 FUL & 1980 FUL NEED INVEST
^{NE} H.E. West No. 3 3, 17, 31 PA - 660 FUL & 330 FEL

Check for P.A.
 10" 8 1/2" 600' 50'
 8 1/2" 300' 100'

W-K Royalty State "B" NO. 3 16, 17, 31 (Unit B)

8 1/2" 360' 140' 500'
 7 1/2" 310' 125' 50'

Mid-Century Oil & Gas Tidewater State No. 1 2, 17, 31 660 FUL & 660 FUL

Kennedy Oil Tidewater State No. 3 2, 17, 31 - 1977 FUL & 660 FUL

Tidewater State No. 2 2, 17, 31 - 1980 FUL & 660 FUL

8 1/2" 360' 500'
 8 1/2" 300' 1000'

Kelley & Co. State WK No. 1 16, 17, 31 (Unit B)

Yates Petroleum Carper AB No. 2 34, 16, 31 - 660 FUL & 660 FEL

Carper AB No. 1 34, 16, 31 PA - 1980 FUL & 660 FEL

Johnson No. 12 34, 16, 31 PA - 990 FUL & 1980 FEL PA

CE Staples Featherstone No. 5 2, 17, 31 - 330 FUL & 1980 FUL

Featherstone No. 4 2, 17, 31 - 990 FUL & 660 FUL

Featherstone NO. 2 2, 17, 31 - 2310 FUL & 1650 FUL

8 1/2" 360' 500'
 8 1/2" 300' 1000'

8 1/2" 360' 500'
 8 1/2" 300' 1000'

8 1/2" 360' 500'
 8 1/2" 300' 1000'

Murphy Operating. Kennedy Johnson A No. 3 35, 16, 31 - 1980 FUL & 660 FEL
 Carper Johnson A No. 7 35, 16, 31 PA - 860 FUL & 1980 FUL

HE West "B"

Other Wells:

WK Royalty State "B" NO. 3 16, 17, 31 - TOC @ 2053 by Calc (No stub plug)

Mid Century Oil & Gas Tidewater State No. 1 2, 17, 31 - TOC @ 3062 by Calc. ✓

Kennedy Oil Tidewater State No. 3 2, 17, 31 ✓ - TOC @ 2960 by Calc ✓
Tidewater State No. 2 2, 17, 31 TOC @ 3061 by Calc ✓

Kersey & Co. State WK No. 1 16, 17, 31 - ✓

Yates Petroleum Carper AB No. 2 34, 16, 31 - TOC @ 2988 by Calc. ✓ PA ok
Carper AB No. 1 34, 16, 31 PA - TOC @ 2977 by Calc. ✓
Johnson No. 12 34, 16, 31 PA - TOC @ 2973 by Calc ✓

CE Staples Featherstone No. 5 2, 17, 31 - TOC @ 2012 by Calc. ✓
Featherstone No. 4 2, 17, 31 - TOC @ 2940 by Calc. ✓
Featherstone NO. 2 2, 17, 31 - TOC @ 2985 by Calc. ✓

Murphy Operating. Kennedy Johnson A No. 3 35, 16, 31 ✓
Carper Johnson A No. 7 35, 16, 31 PA - TOC @ 2068 by Calc.
ok except minor
stub plug.

ILLEGIBLE

ILLEGIBLE

ILLEGIBLE

RECEIVED

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSerial Number 029426
Lease or Permit U.S. 1001

RECEIVED

SUNDRY NOTICES AND REPORTS ON WELLS

SEP - 5 1927

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT RECORD OF SHOOTING.....
NOTICE OF INTENTION TO CHANGE PLANS.....	RECORD OF PERFORATING CASING.....
NOTICE OF DATE FOR TEST OF WATER SHUT-OFF.....	NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING.....
REPORT ON RESULT OF TEST OF WATER SHUT-OFF.....	NOTICE OF INTENTION TO ABANDON WELL.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO SHOOT.....	SUPPLEMENTARY WELL HISTORY.....

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

May, 18th, 1927, 192

Following is a notice of intention to do work on land under permit described as follows:
report of work done lease

New Mexico Alamy Muljamar
(State or Territory) (County or Subdivision) (Field)

Well No. 1 SE c 10 17S 31E
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

The well is located 515 ft. N of 3 line and 330 ft. E of 1 line of sec. 10The elevation of the derrick floor above sea level is 3900 ft.

DETAILS OF PLAN OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work.)

Mudded hole from 3500 to 2970 put in cement cap 2970-2975, S.L.M.
Left 70 ft. lin. 8" casing in hole, mudded hole 2970 to 2885 put
cement cap 2885, 8-sacks cement. Mudded hole to 1900 ft. pulled
all 10" casing except 58 ft. Put in cement cap on top of 10" left in
hole, mudded and put another cement cap at 725 ft. Pulled all 12"
casing except 98 ft, cemented on top of this and mudded hole. Left
40 ft. 15" casing in hole. Marker 4" x 10' placed in top of
hole four feet above ground.

Approved MAY 27, 1927D. P. WardwellTitle DEPUTY SUPERVISOR
GEOLOGICAL SURVEYAddress CASPER, WYOMINGCompany The Prairie Oil and Gas Co.By Ernest DawellTitle Superintendent In charge of work

Address _____

NOTE.—Reports on this form to be submitted in triplicate to the Supervisor for approval.

RECEIVED

Form 9-331a
(March 1942)

SEP - 5 1989

Budget Bureau No. 42-R358.
Approval expires 11-30-46.

OIL CONSERVATION DIV.
SANTA FE

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Las Alamos
Lease No. 029446-A
Unit Hasport "A"

CHN

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF REDRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Hobbs, New Mexico, Sept. 28th, 19 46

Well No. 1-A is located 660 ft. from N line and 1200 ft. from W line of sec. 8

NE 8 17S 41E 104W
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Square Lake Blair New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 3903 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Filled hole with heavy mud thru tubing and spotted 10" sack cement plug @ 5280 ft. by Halliburton, k-cased off 7" OD Casing @ 2110 ft., and k-cased off 8 3/4" OD Casing @ 2115 ft. spotted 15 sack cement plug @ 2170 ft thru tubing, pulled tubing and k-cased off 10 3/4" OD Casing @ 2025 ft., spotted 20 sack cement plug @ 2025 ft. thru tubing, keeping hole full heavy mud. Set piece of 4" pipe in bottom of collar to extend 4 ft. above surface level, in 10 sacks cement as "Regulation" marker, Plugging & abandoning completed Sept. 28th.

ILLEGIBLE

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Repselle Oil Company

Address Hobbs, N.M.

By

Title Dist. Supt.

9-27-46

[Signature]

2-E Unit No. 1

cc: 10410