

OIL CONSERVATION DIVISION
RECEIVED
MAR 22 1992
MAR 10 05

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage
Application qualifies for administrative approval? ☒ Yes ☐ No
- II. Operator: Pete Mills
Address: C/O Oil Reports & Gas Services, Inc., P.O. Box 755, Hobbs, NM 88241-0755
Contact party: Donna Holler Phone: (505) 393-2727
- 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 _____.
- 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: Donna Holler Title Agent
Signature: Donna Holler Date: March 20, 1992
- * 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.

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.

APPLICATION FOR AUTHORIZATION
To Convert To Water Disposal
Pete Mills
Russell Federal 35 No. 2
Statement of Compliance

- ITEM III. A. See Exhibit A
 B. (1) Delaware Sand
 (2) Open Hole 4106 - 4118
 (3) Drilled by Continental Oil Company for Oil Production
 from the North Mason Delaware Pool
 (4) No other perforated intervals
 (5) No known higher or lower oil zones
- ITEM V. See Exhibit B
- ITEM VI. See Exhibit C for tabular Summary and Exhibit D for schematic
 of plugged wells.
- ITEM VII. (1) Estimated average rate of injection is 25 barrels of water
 per day, with an estimated maximum daily rate of 100 barrels
 of water per day.
 (2) System will be closed
 (3) Average injection pressure: Vacuum
 Maximum injection pressure: 100 psi
 (4) Source of water will be Delaware water produced from the
 Pete Mills, Russell Federal 35 Lease.
 (5) Source of Water and injection zone are the same, this being
 the Delaware formation.
- ITEM VIII. The North Mason Delaware was discovered 9/18/54 by the Ibex
 Company with the Hanson #1 in the NW 1/4 of Section 25. The
 top of the Delaware Sand is found at approximately 4050 feet
 extending to a depth of 4150 feet. Fresh water sands are
 found in the triassic at approximately 300', and in the shallow
 alluvium at 175'.
- ITEM IX. None
- ITEM X. Electrical logs have previously been provided by Continental
 Oil Company
- ITEM XI. Only one fresh water well exists within the one mile radius
 of the subject well. The water well, a windmill currently
 abandoned, is in Section 35 (NW/NW/SW) 400' North of the
 Texas-New Mexico state line brass cap. The well is not
 properly equipped to allow for a water sample to be obtained.
- ITEM XII. All geological and engineering data available indicates there
 is no open fault or other hydrologic connection between the
 Delaware, triassic or alluvium formations.

ITEM XIII. A copy of C-108 with Statements of Compliance has been
furnished by certified mail as follows:

Surface Owner: Bureau of Land Management
Attn: Mr. Shannon Shaw
P.O. Box 1778
Carlsbad, NM 88220

Offset Operator: Marathon Oil Company
P.O. Box 552
Midland, TX 79702

Hanson Oil Company
P.O. Drawer 1269
Midland, TX 79702

Texaco Oil Company
P.O. Box 3109
Midland, TX 79702

Copies of certified mail receipts are identified as Exhibit E.

ITEM XIV. Proof of publication in the Hobbs Daily News-Sun is
identified as Exhibit F.

RUSSELL FEDERAL 35 NO. 2

North Mason Delaware

ELEV 3127'
Datum 10' AGL

433' FNL & 660' FEL
Sec. 35, T26S, R31E
Eddy County, NM

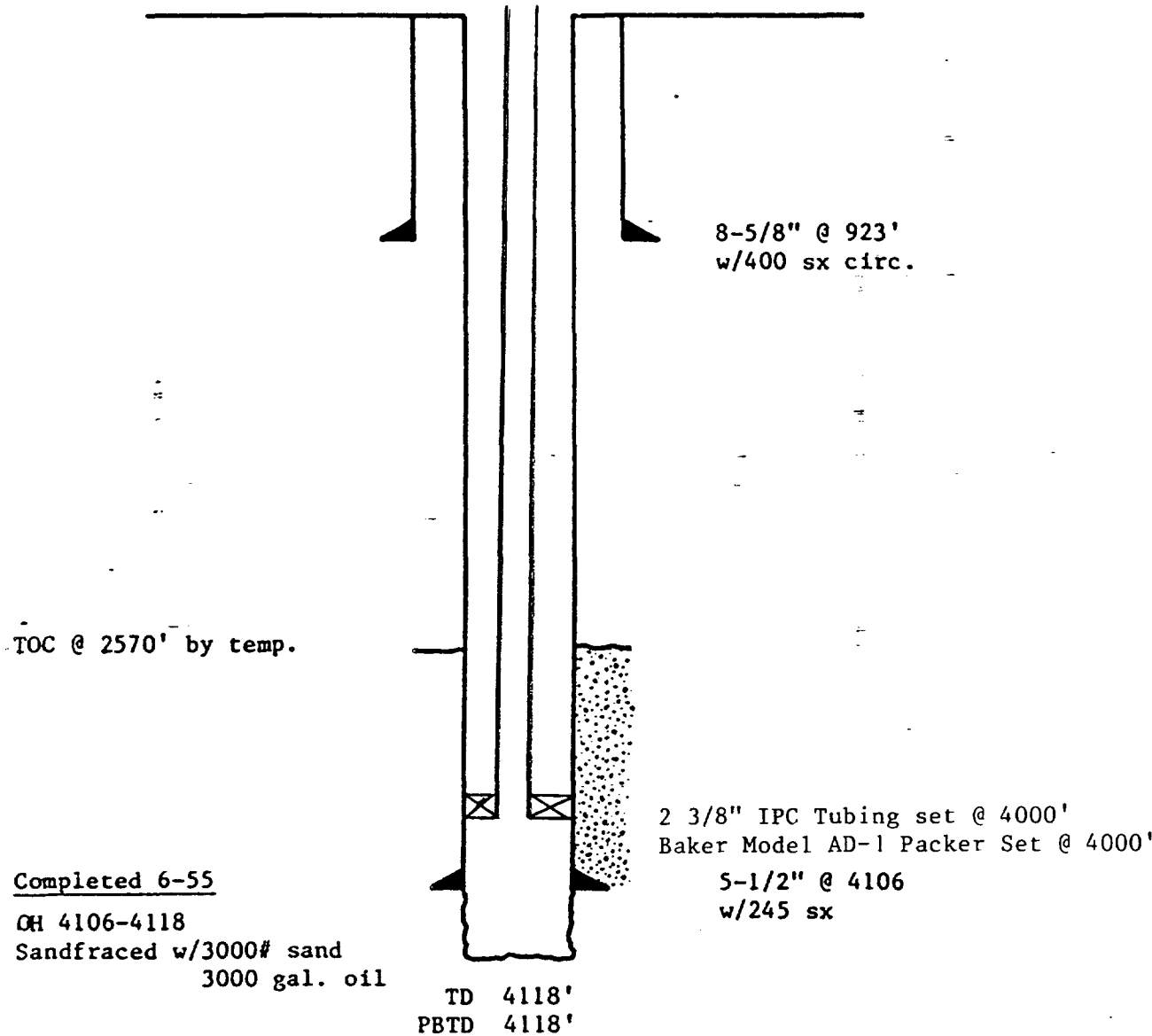


Exhibit A

•

21

Ref.

CONFIDENTIAL
M B
275

3:24:54

Highland; Yates
pet. 2 16460
15101211
15101211
15101211

Stevens 15.4



19

[illegible]

13

101

22

Exhibit

1 - Wood-Ruff

Exhi

B = Lea C
C = Lovin

Loving County, TX

TABULAR SUMMARY
All Wells Within One-Half Mile Radius
Pete Mills Russell Federal 35 No. 2

SECTION 25, T26S, R31E

Hanson Operating Company, Inc.

Hanson Federal No. 1

Unit M: 330' FSL & 300' FWL

Spud: 8/26/54 Complete: 9/18/54

Type: Oil Well

Casing: 8 5/8" @ 916' w/300 sx; circ

5 1/2" @ 4140' w/150 sx

TD: 4147' PBTB: 4147'

OH: 4140' - 4147'

Current Production 11/91 pump .9 BOPD

Hanson Operating Company, Inc.

Hanson Federal No. 3

Unit L: 1650' FSL & 330' FWL

Spud: 1/10/55 Complete: 1/28/55

Type: Oil Well

Casing: 8 5/8" @ 877' w/325 sx; circ

5 1/2" @ 4132' w/125 sx

TD: 4135' PBTB: 4135'

OH: 4132' - 4135'

Current Production 11/91 pump 2.7 BOPD

Hanson Oil Operating Company

Hanson Federal No. 5

Unit N: 330' FSL & 1650' FWL

Spud: 5/7/55 Complete: 5/29/55

Type: Oil Well

Casing: 8 5/8" @ 905' w/325 sx; circ

5 1/2" @ 4162' w/125 sx

TD: 4163' PBTB: 4163'

OH: 4162' - 4163'

Current Production 11/91 pump .5 BOPT

SECTION 26, T26S, R31E

Autry C. Stephens White Federal No. 2

Unit N: 433' FSL & 2307' FWL

Spud: 8/28/55 Complete: 9/15/55

Type: Oil Well

Casing: 8 5/8" @ 901' w/340 sx; circ

4 1/2" @ 4162' w/125 sx

TD: 4106' PBTB: 4106'

OH: 4095' - 4106'

Perfs: 4071' - 4077'

Current Production 11/91 pump .5 BOPD

Texaco E.D. White Federal NCT-1 No. 4

Unit J: 1663.2' FSL & 1660.9' FEL

Spud: 1/18/59 Complete: 2/4/59

Type: P & A

Casing: 8 5/8" @ 970' w/600 sx; circ

4 1/2" @ 4099' w/400 sx

TD: 4128' PBTB: 4128'

OH: 4099' - 4128'

P & A 12/2/85 See Attached Schematic

Exhibit C

Page 1

Penroc Oil Corporation

E.D. White Federal NCT-1 No. 1

Unit P: 330' FSL & 330' FEL

Spud: 3/9/55 Complete: 4/15/55

Type: Oil Well

Casing: 8 5/8" @ 955' w/600 sx; circ

5 1/2" @ 4121' w/400 sx

TD: 4139' PBSD: 4139'

OH: 4121' - 4139'

Current Production 11/91 pump 1.2 BOPD

Penroc Oil Corporation

E.D. White Federal NCT-1 No. 2

Unit I: 1830' FSL & 330' FEL

Spud: 5/23/55 Complete: 6/18/55

Type: Oil Well

Casing: 8 5/8" @ 915' w/700 sx; circ

5 1/2" @ 4112' w/400 sx

TD: 4138' PBSD: 4138'

OH: 4112' - 4138'

Well currently SI, TA approved 10/79

Penroc Oil Corporation

E.D. White Federal NCT-1 No. 3

Unit O: 433' FSL & 1980' FEL

Spud: 10/15/55 Complete: 11/6/55

Type: TA

Casing: 8 5/8" @ 891' w/700 sx; circ

5 1/2" @ 4110' w/350 sx

TD: 4128' PBSD: 4128'

OH: 4110' - 4128'

Well currently SI, TA approved 10/79

SECTION 35 T26S, R31E

Pete Mills Russell Federal 35 No.1

unit H: 433' FSL & 660' FEL

Spud: 5/22/55 Complete: 6/6/55

Type: Oil Well

Casing: 8 5/8" @ 904' w/400 sx; circ

5 1/2" @ 4085' w/200 sx; TOC @ 2980'

TD: 4099'

OH: 4085' - 4099'

Current Production 12/91 pump .3 BOPD

Pete Mills Russell Federal 35 No.3

Unit B: 433' FNL & 1980' FEL

Spud: 7/5/55 Complete: 7/20/55

Type: Oil Well

Casing: 8 5/8" @ 952' w/250 sx; circ

5 1/2" @ 4089' w/200 sx; TOC est @ 3165'

TD: 4134' PBSD: 4116'

OH: 4089' - 4116'

Perfs: 4076' - 4088'

Pete Mills Russell Federal 35 No. 4

Unit C: 433' FNL & 1980' FWL

Spud: 7/27/55 Complete: 8/17/55

Type: Oil Well

Casing: 8 5/8" @ 925' w/340 sx; circ

5 1/2" @ 4071' w/220 sx; circ

TD: 4077' PBSD: 4077'

Perfs: 4031' - 38', 4042'

Current Production 12/91 pump .5 BOPD

Pete Mills Russell Federal 35 No. 5

Unit F: 443' FSL & 2310' FWL

Spud: 8/19/55 Complete: 9/6/55

Type: Oil Well

Casing: 8 5/8" @ 946' w/295 sx; circ
5 1/2" @ 4058' w/220sx, TOC @ 3150'

TD: 4098' PBTD: 4097'

Perfs: 4085' - 97', 4064' - 74'

Pete Mills Russell Federal 35 No. 6

Unit G: 400' FSL & 1800' FEL

Spud: 4/3/90 Complete: 6/1/90

Type: Oil Well

Casing: 8 5/8" @ 950' w/325 sx; circ
5 1/2" @ 4058' w/800 sx; TOC @ 2300'

TD: 4098' PBTD: 4098'

OH: 4058' - 4098'

Current Production 12/91 pump 1 BOPD

SECTION 36, T26S, R31E

Penroc Oil Corporation

Eddy State "AG" A No. 1

Unit D: 660' FNL & 660' FWL

Spud: 2/25/55 Complete: 3/28/55

Type: Oil Well

Casing: 8 5/8" @ 963' w/500 sx; circ
5 1/2" @ 4075' w/400 sx

TD: 4124' PBTD: 4124'

OH: 4075' - 4124'

Current Production 11/91 pump 1 BOPD

Penroc Oil Corporation

Eddy State "AG" A No. 2

Unit C: 1650' FWL & 660' FNL

Spud: 5/28/55 Complete: 6/13/55

Type: P & A

Casing: 8 5/8" @ 906' w/525 sx; circ
5 1/2" @ 4020' w/400 sx

TD: 4158' PBTD: 4158'

OH: 4020' - 4158'

Converted to SWD 5/19/69 P & A 12/10/83

See Attached Schematic

Penroc Oil Corporation

Eddy State "AG" A No. 3

Unit E: 1757' FNL & 660' FWL

Spud: 11/2/55 Complete: 11/20/55

Type: Oil Well, SI

Casing: 8 5/8" @ 951' w/550 sx; circ
5 1/2" @ 4080' w/425 sx; circ

TD: 4115' PBTD: 4115'

OH: 4080' - 4115'

Last reported production 5 BO for the month 1/88;

Currently SI

See Texas Wells Exhibit C Page 4

Loving County, Texas

Marathon Oil Company

North Mason Delaware Unit No. 103

NW/4 (330' FNL & 2310' FWL) Section 3, Blk 55, TWP 1, T & P Railroad Company Survey

Spud: 6/13/55 Complete: 6/30/55 Type: Oil Well

Casing: 8 5/8" @ 1008' w/400 sx, circ

5 1/2" @ 4100' w/175 sx

TD: 4100'

PBTD: 4100'

Perf: 4072' - 4095'

Currently active, Production volumes unavailable

Marathon Oil Company

North Mason Delaware Unit No. 203

NE/4 (330' FNL & 2310' FEL) Section 3, Blk 55, TWP 1, T & P Railroad Company Survey

Spud: 11/7/54 Complete: 11/21/54 Type: SI

Casing: 8 5/8" @ 839' w/325 sx; circ

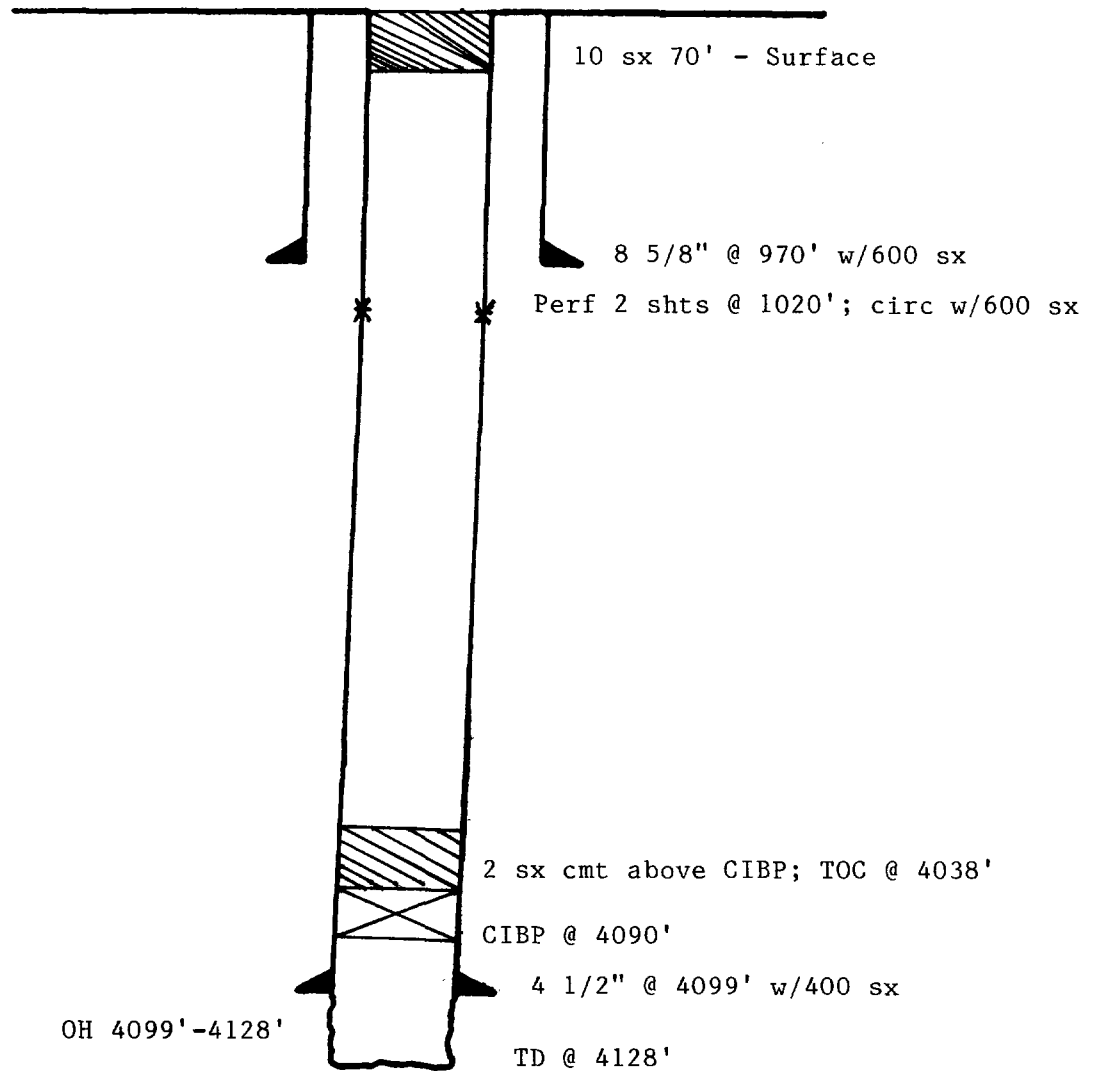
5 1/2" @ 4082' w/125 sx

TD: 4090'

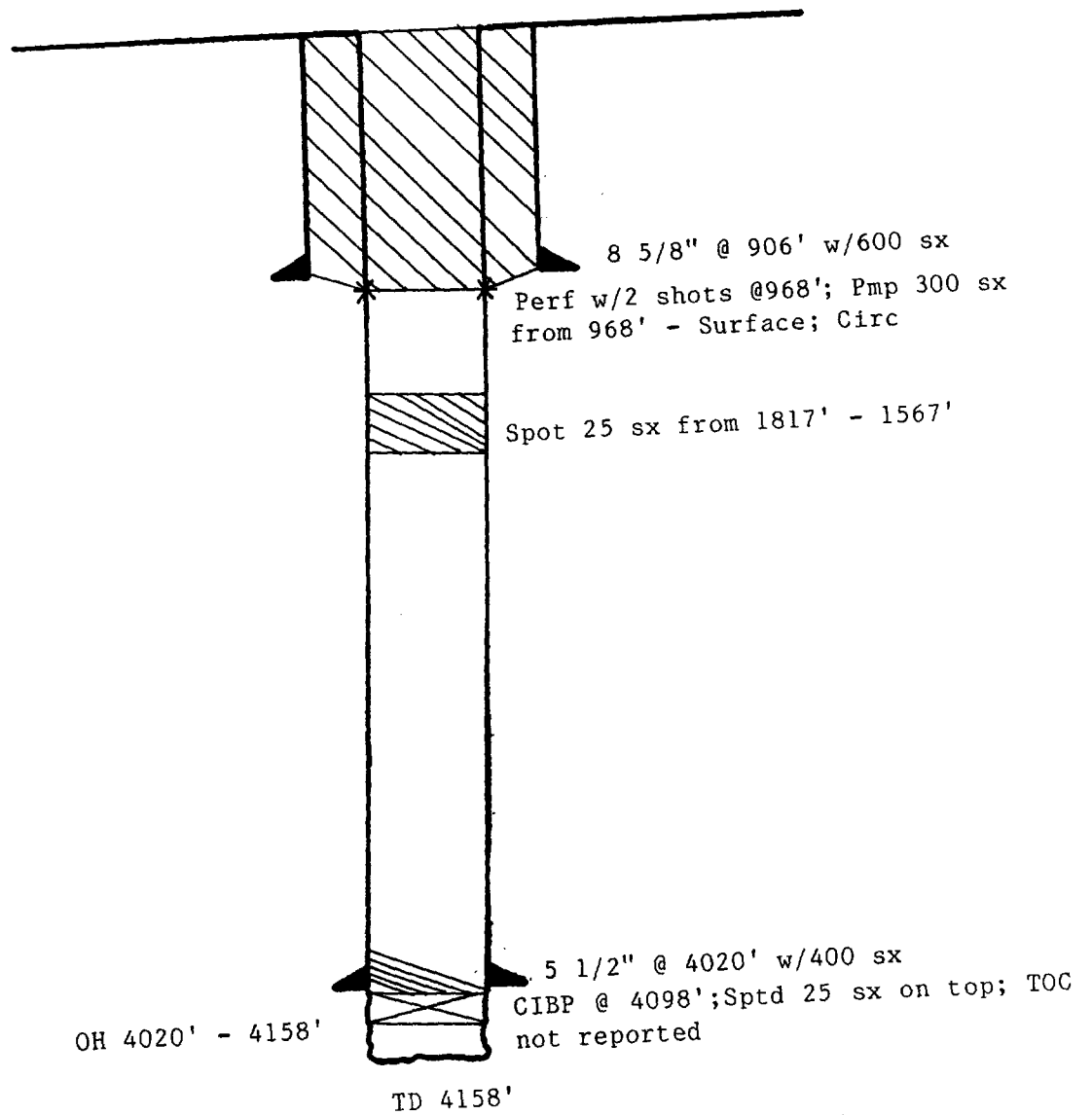
PBTD: 4090

OH: 4082' - 4090'

Currently inactive, SI w/approved 14-B exception



Texaco, Inc.
 E.D. White Federal NCT-1 No. 4
 1660.9' FEL & 1663.2' FSL
 Sec 26, T26S, R31E
 Eddy County, New Mexico



Getty Oil Company
 Eddy State "AG" A No. 2
 660' FNL & 1650' FWL
 Sec 36, T26S, R31E
 Eddy County, New Mexico

P 243 010 512
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

SENT TO HANSON Oil Co.	
STREET AND NO. P.O. DRAWER 1269	
P.O. STATE AND ZIP CODE	
POSTAGE	\$.52
CERTIFIED FEE	1.00 ^c
SPECIAL DELIVERY	
RESTRICTED DELIVERY	
CONSULT POSTMASTER FOR FEES	
OPTIONAL SERVICES	
RETURN RECEIPT SERVICE	1.00 ^d
TOTAL POSTAGE AND FEES 2.52	
POSTMARK OR DATE	

PS Form 3800, Apr. 1976

POSTMARK: MAR 26 1976 SPO

P 243 010 513
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

SENT TO MARATHON Oil Co.	
STREET AND NO. P.O. Box 352	
P.O. STATE AND ZIP CODE Midland, TX 79702	
POSTAGE	\$.52
CERTIFIED FEE	1.00 ^c
SPECIAL DELIVERY	
RESTRICTED DELIVERY	
CONSULT POSTMASTER FOR FEES	
OPTIONAL SERVICES	
RETURN RECEIPT SERVICE	1.00 ^d
TOTAL POSTAGE AND FEES 2.52	
POSTMARK OR DATE	

PS Form 3800, Apr. 1976

POSTMARK: MAR 26 1976 SPO

P 243 010 514
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

SENT TO TEXACO Oil Co.	
STREET AND NO. P.O. BOX 3109	
P.O. STATE AND ZIP CODE Midland, TX 79702	
POSTAGE	\$.52
CERTIFIED FEE	1.00 ^c
SPECIAL DELIVERY	
RESTRICTED DELIVERY	
CONSULT POSTMASTER FOR FEES	
OPTIONAL SERVICES	
RETURN RECEIPT SERVICE	1.00 ^d
TOTAL POSTAGE AND FEES 2.52	
POSTMARK OR DATE	

PS Form 3800, Apr. 1976

POSTMARK: MAR 26 1976 SPO

Exhibit E

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, Kathi Bearden

of the Hobbs Daily News-Sun, a
daily newspaper published at
Hobbs, New Mexico, do solemnly
swear that the clipping attached
hereto was published once a week
in the regular and entire issue of
said paper, and not a supplement
thereof for a period

of _____

One _____ weeks.

Beginning with the issue dated

Mar. 19 _____, 19 92

and ending with the issue dated

Mar. 19 _____, 19 92

Kathi Bearden
General Manager

Sworn and subscribed to before

me this 20 day of

March, 19 92

Paula Parrish
Notary Public.

My Commission expires _____

Aug. 5, 19 95
(Seal)

This newspaper is duly qualified to
publish legal notices or adver-
tisements within the meaning of
Section 3, Chapter 167, Laws of
1937, and payment of fees for said
publication has been made.

LEGAL NOTICE
March 19, 1992

Pete Mills will file an
application with the New
Mexico Oil Conservation
Division for a salt water
disposal installation into
the Delaware formation
through open hole (4106' -
4118') in the Russell Fed-
eral #2, located 433' FNL &
600' FEL Section 35, T26S,
R31E, Eddy County, New
Mexico. All interested
parties may file an objec-
tion or request for hearing
within 15 days to the New
Mexico Oil Conservation
Division, P.O. Box 2068,
Santa Fe, New Mexico
87501. Local contact party
for Pete Mills is Dorna
Holler Oil Reports & Gas
Services, Inc., P.O. Box
755, Hobbs, New Mexico
88241, telephone (505)
393-2727.

Exhibit F