

NEW MEXICO OIL CONSERVATION COMMISSION

APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION

OPERATOR BTA OIL PRODUCERS		ADDRESS 104 South Pecos Midland, Texas 79701	
LEASE NAME 7608 JV-P Hagood	WELL NO. 1	FIELD Wildcat	COUNTY Lea
LOCATION UNIT LETTER -B- ; WELL IS LOCATED 1980 FEET FROM THE East LINE AND 990 FEET FROM THE North LINE, SECTION 25 TOWNSHIP 26-S RANGE 35-E N.M.P.M.			

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING See Attachment					
INTERMEDIATE					
LONG STRING					
TUBING			NAME, MODEL AND DEPTH OF TUBING PACKER N/A		
NAME OF PROPOSED INJECTION FORMATION Delaware Sands			TOP OF FORMATION 4998'		BOTTOM OF FORMATION 9068'
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Annulus		PERFORATIONS OR OPEN HOLES Annular Open Hole		PROPOSED INTERVAL(S) OF INJECTION 5050' - 6555'	
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No		IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Gas		HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE? Yes	
LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH 13,865' - 15,847' Baker Model "DB" Pkr set @ 13,600' & CIBP @ 16,200' w/35sx Cmt on top					
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 710'		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA 12,581'		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA 13,851'	
ANTICIPATED DAILY INJECTION VOLUME (BBL/DAY) 350	MINIMUM 300	MAXIMUM 600	OPEN OR CLOSED TYPE SYSTEM Closed	IS INJECTION TO BE BY GRAVITY OR PRESSURE? Pressure	APPROX. PRESSURE (PSI) 300
ANSWER YES OR NO WHETHER THE FOLLOWING WATERS ARE MINERALIZED TO SUCH A DEGREE AS TO BE UNFIT FOR DOMESTIC, STOCK, IRRIGATION, OR OTHER GENERAL USE - Yes			WATER TO BE DISPOSED OF Yes	NATURAL WATER IN DISPOSAL ZONE Yes	ARE WATER ANALYSES ATTACHED? Yes
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) Mr. Monty Beckham, P. O. Box 1203, Jal, New Mexico 88252					
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL None					
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING? Yes		SURFACE OWNER Yes		EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL N/A	
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B) Yes		FLAT OF AREA Yes		ELECTRICAL LOG Yes	
				THE NEW MEXICO STATE ENGINEER Yes	
				DIAGRAMMATIC SKETCH OF WELL Yes	

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

Bob Newland
(Signature)

Bob Newland

Regulatory Supervisor

(Title)

5/25/77

(Date)

NOTE: Should waivers from the State Engineer, the surface owner, and all operators within one-half mile of the proposed injection well not accompany this application, the New Mexico Oil Conservation Commission will hold the application for a period of 15 days from the date of receipt by the Commission's Santa Fe office. If at the end of the 15-day waiting period no protest has been received by the Santa Fe office, the application will be processed. If a protest is received, the application will be set for hearing, if the applicant so requests. SEE RULE 701.

RECEIVED
JUN 1977
COMMERCIAL

Attachment - Form C-108
BTA OIL PRODUCERS

Name of String	Size	Setting Depth	Sacks Cement	Top of Cement	Top Determined By
Surface Casing	20"	900'	1150	Circ	-
Surface Casing	13-3/8"	5050'	13700	Circ	-
Intermediate	9-5/8"	13200'	3125	6555'	T S
Liner	7-3/4"	12810' - 18070'	-	-	-
Tubing	3-1/2"	13600'	-	-	-

RECEIVED

JUL 1947

ON COM. 1947

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPlicate*
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM-12281-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	7. UNIT AGREEMENT NAME Hagood Unit
2. NAME OF OPERATOR BTA OIL PRODUCERS	8. FARM OR LEASE NAME 7608 JV-P Hagood
3. ADDRESS OF OPERATOR 104 South Pecos Midland, Texas 79701	9. WELL NO. 1
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980' FEL & 990' FNL	10. FIELD AND POOL, OR WILDCAT Wildcat
14. PERMIT NO.	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 25, 26-S, 35-E
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 2959' GL	12. COUNTY OR PARISH Lea
	13. STATE New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
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PULL OR ALTER CASING

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☐
☐
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FRACTURE TREAT

MULTIPLE COMPLETION

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

Spud & Casing

~~XXXXXXXXXX~~

SUBSEQUENT REPORT OF:

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☐
☐

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

8/11/76 Spudded 3:00 A.M. Drlg 26" Hole in Sand & Gravel.8/17/76 Cmt'd 20" OD 94# H-40 ST&C Csg. @900' w/950sx C1-C & 200sx C1-H-. Cmt Circulated, WOC.8/18/76 Tested 20" & BOP's w/1500psi for 30 min. OK. Drlg ahead.9/10/76 Cmt'd 13-3/8" 61,68&72# csg @5050' w/13,500sx C1-C- & 200sx C1-H-. Circ. 83sx. WOC.9/12/76 Tested 13-3/8" & BOP's w/1500 psi for 30 min. OK.9/15/76 DST #1 from 5050' to 5170'. Salt Wtr. sampler @50 psi recovered 2000cc salt wtr 215,000 ppm chloride.9/16/76 Drlg Ahead.

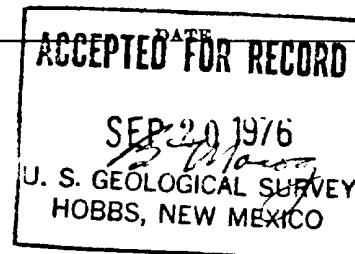
18. I hereby certify that the foregoing is true and correct

SIGNED Bob Newland Bob Newland TITLE Regulatory Supervisor DATE 9/17/76

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRI.
(Other instructions
verse side)E*
re-Form approved.
Budget Bureau No. 42-R1-24

5. LEASE DESIGNATION AND SERIAL

NM-12281-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	7. UNIT AGREEMENT NAME Hagood Unit
2. NAME OF OPERATOR BTA OIL PRODUCERS	8. FARM OR LEASE NAME 7608 JV-P Hagood
3. ADDRESS OF OPERATOR 104 South Pecos Midland, Texas 79701	9. WELL NO. 1
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980' FEL & 990' FNL	10. FIELD AND POOL, OR WILDCAT Wildcat
14. PERMIT NO.	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 25, 26-S, 35-E
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 2959' GL	12. COUNTY OR PARISH Lea
	13. STATE New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Casing

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

9/18/76 Drlg 12 1/4" hole in lime & sand.10/31/76 Cmtd 9 5/8" csg. @ 13200'. Cmtd w/2625 sx Class C,tailed in w/500 sx Class H. WOC.11/1/76 Tested 9 5/8" & BOP w/1500 psi for 30 min. O.K.11/2/76 Drlg 8 1/2" hole in shale.12/1/76 Finished DST #2 from 13,850' to 13,961'.12/2/76 Drlg ahead.

18. I hereby certify that the foregoing is true and correct

SIGNED Bob Newland Bob NewlandTITLE Regulatory SupervisorDATE 12-28-76

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

ACCEPTED FOR RECORD

DATE

JAN 3 1977

U. S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN ORIGINAL
(Other copies in duplicate)
VERSE 810Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM-12281-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different depth.
Use "APPLICATION FOR PERMIT—" for such proposals.)FORM 9-331 IS REQUIRED
IN QUINTUPLICATE1. ☐ OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

BTA OIL PRODUCERS

3. ADDRESS OF OPERATOR

104 South Pecos Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface

1980' FEL & 990' FNL

7. UNIT AGREEMENT NAME

Hagood Unit

8. FARM OR LEASE NAME

7608 JV-P Hagood

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 25, 26-S, 35-E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

2959' GL

12. COUNTY OR PARISH 13. STATE

Lea

New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Liner

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent
to this work.)*

3/27/77 Drlg 8 1/2" hole in lime & shale.

3/30/77 Ran 7 3/4" 46.1# P-110 SFJP liner as follows:

Halliburton Float Shoe	1.85'
2 jts.	75.86'
Halliburton Float Shoe	1.61'
1 jt.	39.54'
TIW landing collar	.85'
130 jts.	5134.99'
TIW hanger	5.61'
Total length	5260.31'
Drill Pipe	12809.69'
Liner Set @	18070.00'
Float collar	17992.00'
Landing Collar	17951.00'
Top of Liner	12810.00'

FORM 9-331 IS REQUIRED
IN QUINTUPLICATE

18. I hereby certify that the foregoing is true and correct

SIGNED Bob Newland Bob NewlandTITLE Regulatory SupervisorDATE 4-1-77

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

ACCEPTED FOR RECORD

DATE

APR 4 1977

U. S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

*See Instructions on Reverse Side

RECEIVED MAY 7 1977

Form 9-331
(May 1963)UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIP
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1-24

5. LEASE DESIGNATION AND SERIAL NO.

NM-12281-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT-" for such proposals.)

1.

OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

BTA OIL PRODUCERS

3. ADDRESS OF OPERATOR

104 South Pecos Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

1980' FEL & 990' FNL

7. UNIT AGREEMENT NAME

Hagood Unit

8. FARM OR LEASE NAME

7608 JV-P Hagood

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 25, 26-S, 35-E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

2959'

12. COUNTY OR PARISH

Lea

13. STATE

New Mexico

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

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PULL OR ALTER CASING

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FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

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REPAIRING WELL

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FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other) P & A 6 1/2" Hole

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.)*

TD 19,894'

Cmt plug (80 sx) Set from 19,200' to 19,700'

Cmt plug (80 sx) Set from 17,700' to 18,200'

CIBP set @ 16,200' w/35' cmt Cap (75 sx)

18. I hereby certify that the foregoing is true and correct

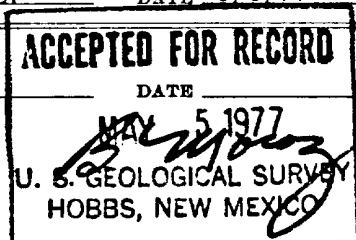
SIGNED Bob Newland Bob NewlandTITLE Regulatory SupervisorDATE 5/3/77

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APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

*See Instructions on Reverse Side



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JUN 10 1957

U.S. AIR FORCE COMM.
MEMPHIS, TENN.

TO: _____ SAMPLE RECEIVED _____
 _____ RESULTS REPORTED _____

FIELD OR POOL _____

SECTION _____ BLOCK _____ SURVEY _____ COUNTY _____ STATE _____

SOURCE OF SAMPLE AND DATE TAKEN:

NO. 1 _____

NO. 2 _____

NO. 9

NO. 4

REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES					
		NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	✓	1.0328			
pH When Sampled					
pH When Received	✓	7.0			
Bicarbonate as HCO ₃	✓	1000			
Supersaturation as CaCO ₃					
Undersaturation as CaCO ₃					
Total Hardness as CaCO ₃	✓	8600			
Calcium as Ca	✓	2880			
Magnesium as Mg	✓	340			
Sodium and/or Potassium	✓	13,057			
Sulfate as SO ₄	✓	592			
Chloride as Cl	✓	25,212			
Iron as Fe	✓	72			
Barium as Ba					
Turbidity, Electric					
Color as Pt					
Total Solids, Calculated	✓	43,081			
Temperature °F.					
Carbon Dioxide, Calculated					
Dissolved Oxygen, Winkler					
Hydrogen Sulfide	✓	-0-			
Resistivity, ohms/m at 77° F.	✓	.185			
Suspended Oil					
Filtrable Solids as mg/l					
Volume Filtered, ml					

Results Reported As Milligrams Per Liter

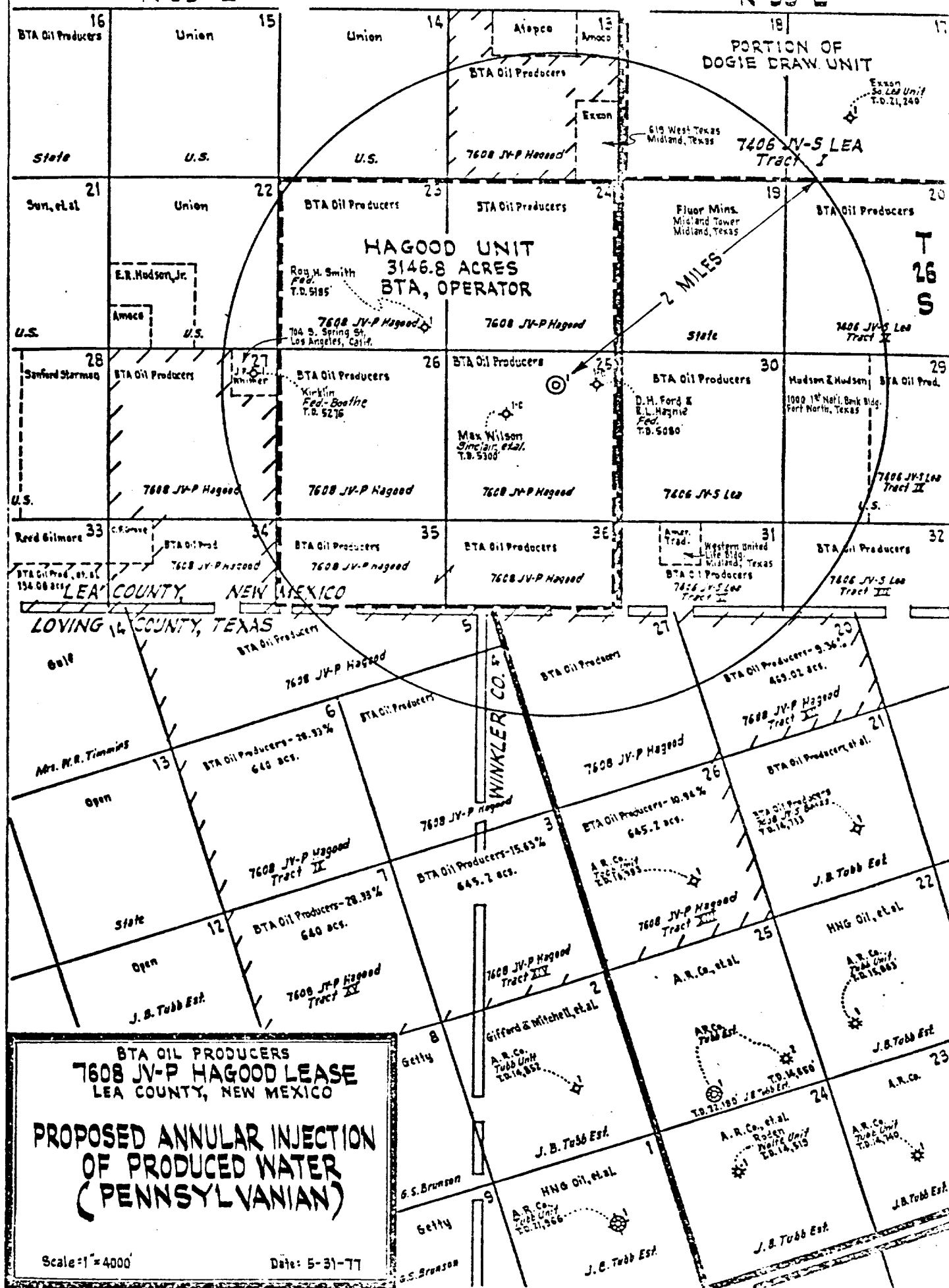
Additional Determinations And Remarks

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JUL 15 1977

OIL CONSERVATION COMM.
WASHINGTON, D.C.

R-36-U



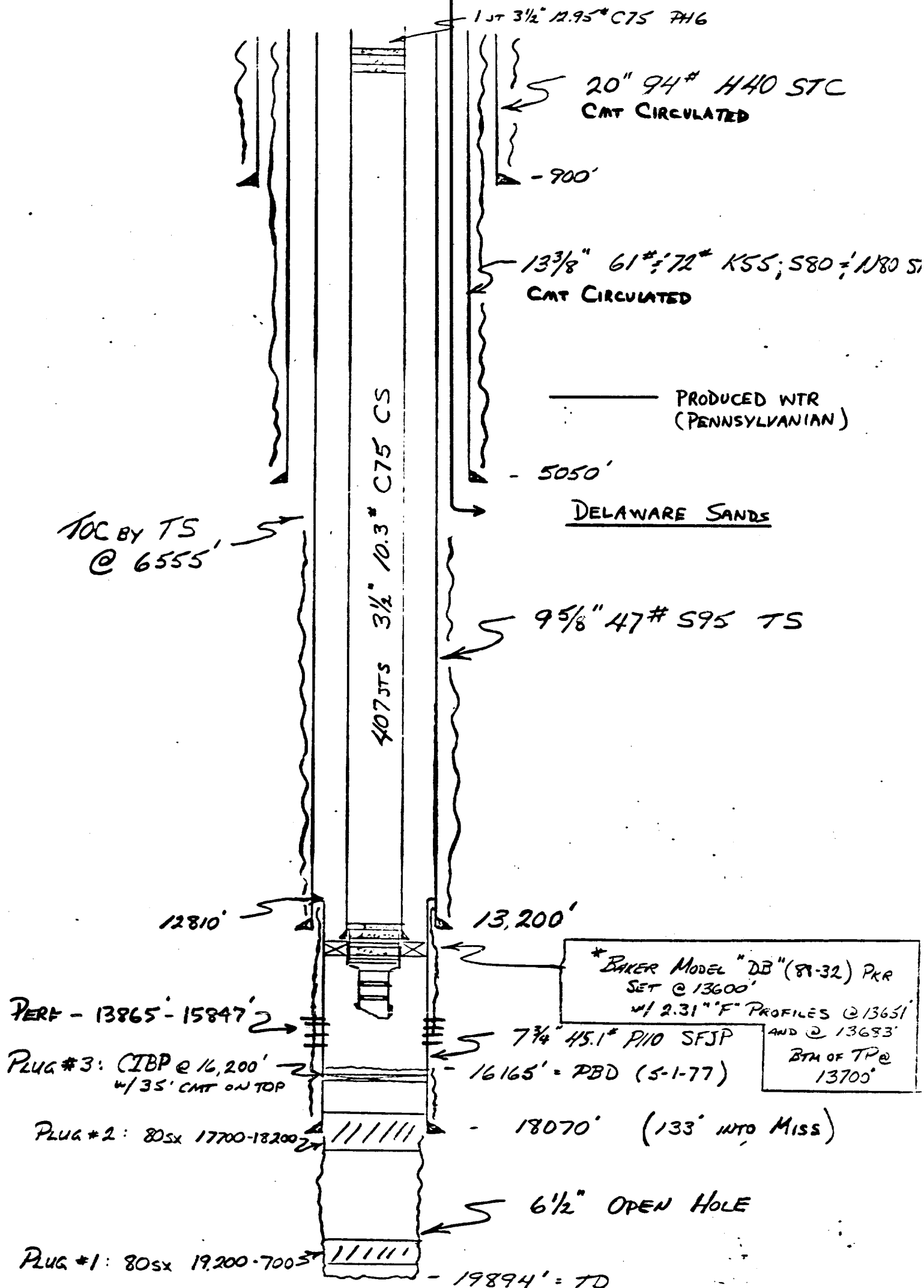
BTA OIL PRODUCERS, MIDLAND, TEXAS

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JUN 11 1977

OIL CONSERVATION BOARD
HOBBBS, N. H.

PROPOSED ANNULAR INJECTION 7608 JV-P HAGOOD No.1 -



* SEE BAKER DRAWING FOR DETAIL

[Signature]
5/2/77

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JUN 11 1977

0.1 COM. DEPT. COMM.
HBBB. H. 11