

AE Order Number Banner

Application Number: pEG2512757329

SWD-2651

RUTHCO OIL, LLC [230835]

EXHIBIT "A"

**ATTACHED TO AND MADE A PART OF THE ASSIGNMENT
OF SALT WATER DISPOSAL WELL AND
SALT WATER DISPOSAL SYSTEM AND APPURTENANT RIGHTS**

**East Hobbs San Andres Unit (EHS AU) Well No. 104 Salt Water Disposal Well
Formerly named Hobbs East San Andres Salt Water Disposal Well F-30
1980' From the North Line
2310' From the West Line
Section 30-Township 18South - Range 39 East
Lea County, New Mexico**

API No. 30-025-07950

-6-

BOOK 1599 PAGE 97

30-025-07950 HOBBS EAST S A #104 [301533]**General Well Information****Status:** Active

Well Type: Salt Water Disposal
 Work Type: New
 Surface Location: F-30-18S-39E 1980 FNL 2310 FWL
 Lat/Long: 32.7202563197057 -103.08567498468
 GL Elevation: 3615

Direction:
 Lease Type: Private

Sing/Mult Compl: Single
 Potash Waiver:

Proposed Formation and/or Notes

SAN ANDRES

Depths

Proposed: 4475

Measured: 6480
 Plugback Measured:

Formation Tops

Formation	Top	Method Obtained
-----------	-----	-----------------

Event Dates

Initial APD Approval: 1/1/1900
 Most Recent APD Approval: 1/1/1900
 APD Cancellation:
 APD Extension Approval:
 Spud: 11/25/1968
 Approved Temporary Abandonment:
 Shut In Waiting For Pipeline:
 Plug and Abandoned Intent Received:
 Well Plugged:
 Site Release:
 Last Inspection: 6/23/2009

Current APD Expiration: 1/1/1902

Expiration:

Plugged, Not Released
 Expiration:
 Intention To Plug:
 Last MIT: 6/23/2009

History

Effective Date	Property	Operator	C-101 Work Type	Well Type
6/1/2005	[301533] HOBBS EAST S A	[230835] RUTHCO OIL, LLC	N	Salt Water Disposa
3/1/2005	[300361] HOBBS EAST S A	[220420] ARENA RESOURCES, INC	N	Salt Water Disposa
7/1/2004	[300361] HOBBS EAST S A	[220420] ARENA RESOURCES, INC	N	Salt Water Disposa
1/1/1900	[9616] HOBBS EAST S A	[19174] RICE OPERATING COMPANY	N	Salt Water Disposa

Comments

Date/Time	User Id	Comment
9/27/1994	OGOKS	POD FOR THIS WELL IS 2809383 KS

Operator

Company: [230835] RUTHCO OIL, LLC
 Address: ~~4207 0TH STREET~~ P.O. Box 485
 EUNICE, NM ~~88505~~
 Country: 88231
 Main Phone:

Central Contact Person

Name: Joshua L Ruth
 Phone: 575-241-7167
 Cell:
 E-Mail Address: josh.ruth1972@icloud.com

Title: owner
 Fax:

No district contact found.

Pits

No Pits Found

Casing

			Boreholes, Strings and Equipment Specifications			Specifications for Strings and Tubing			Strings Cemented and Intervals		
String/Hole Type	Taper	Date Set	Diameter	Top	Bottom (Depth)	Grade	Length	Weight	Bot of Cem	Top of Cem	Meth
Surface Casing	1		8.625	0	1895		1895	32.0	1895	0	
Hole 1	1		8.625	0	1895		0	0.0	0	0	
Hole 2	1		5.5	0	4474		0	0.0	0	0	
Production Casing	1		5.5	0	4474		4474	17.0	4474	0	

Well Completions

[96121] SWD;SAN ANDRES

Status: Active

Last Produced: 5/1/2011

Bottomhole Location: F-30-18S-39E 1980 FNL 2310 FWL
Lat/Long: 0 0
Acreage:
DHC: No

Consolidation Code:
Production Method: Pumping

Test

Hours: 10:10

Oil Volume: 0.0 bbls
Gas Volume: 0.0 mcf
Water Volume: 0.0 bbls

Depths

Measured Depth:

Plugback Md:

Perforations

Date	Top Measured Depth (Where Completion Enters Formation)	Bottom (ft)
	3808	

Notes

Event Dates

Initial Effective/Approval: 1/1/1900
Most Recent Approval: 6/1/2005
Test Allowable Approval:
Production Test:
TD Reached:
Deviation Report Received:
Directional Survey Received:
First Oil Production:
Ready to Produce: 4/19/2010
C-104 Approval: 4/19/2010
Plug Back:
Authorization Revoked Start: Not Implemented

Confidential Until:
Test Allowable End:
DHC:
Rig Released:
Logs Received:
Closure Pit Plat Received:
First Gas Production:
Completion Report Received:
Revoked Until: Not Impl

Well Completion History

Effective Date	Property	Operator	Completion Status

6/1/2005	[301533] HOBBS EAST S A	[230835] RUTHCO OIL, LLC	Active
7/1/2004	[300361] HOBBS EAST S A	[220420] ARENA RESOURCES, INC	Active
1/1/1900	[9616] HOBBS EAST S A	[19174] RICE OPERATING COMPANY	Active

Financial Assurance

Bond Id	Bond Type	Amount	Issuer	Cash/Surety	Issuer Bond Number
252510	Single Well	11480	[36427] LEA COUNTY STATE BANK	Cash	OCD899

Last Production/Injection for this well: 5/2011
Inactive Additional Bond Due Date: 6/1/2013
Measured Depth: 6480
Required Bond Amount: 11480
Bond Required Now: No
Amount of Bond In Place: 11480
Variance: 0
In Violation: No

If the depth of the well is Unknown, please contact the appropriate OCD District Office and provide the measured depth of the well.

Requests to release bonds must be submitted in writing. You may send an e-mail to Dorothy.Phillips@state.nm.us or fax a letter to (505) 476-346

Compliance

Note that Financial Assurance and Inactive Well Compliance are documented in separate reports ([Inactive Well Report](#), [Financial Assurance Rep](#)

Also note that some compliance issues are addressed at the operator level so not listed under each well.

JDR0516659900 Date of Violations: 6/15/2005 Violations: Pollution and Contamination

Date of Violation: 6/15/2005
Compliance
Required:

Resolved: 8/12/2005

Notes

WOODEN TANK.Larry Johnson has the paper work and is writing a letter to Arena about wooden tanks.

Notifications

Notification	Notification Date	Er
Phone Call	6/15/2005	Fiel

Corrective Actions

Corrective Action	

Complaints, Incidents and Spills

No Incidents Found

Please note that incidents that impact ground water are recorded along with "facilities" which may not be wells, so although the initial report may be related to the abatement plans, remediation plans and ground water impact information are not yet part of this application.

Orders

No Orders Found

HOBBS EAST SWD WELL F-30
Well Service Operation to Install Injection Packer
Start Date: June 6, 2001 Completion Date: June 18, 2001

Shut down pump; bleed down tubing into vacuum truck.

Bleed down casing annulus (oil blanket) into tank truck. Haul oil to Jenex.

Rig-up Basic Energy pulling unit. Could not remove wellhead flange, so rigged up spool, then BOP.

POOH w/141 jts 2 7/8" DuoLine tbg. Fish remaining in hole: 25 jts 2 7/8" tbg that fell to bottom.

GIH w/workstring; tag fish @ 5390'. POOH. GIH w/test packer to 5043'; could not test in 4" liner.

POOH, prep to replace wellhead in order to run tools for the 5 1/2" casing. Repair wellhead.

GIH w/workstring and found 2 collar leaks. POOH. Decided to test workstring then re-test 4" liner.

GIH, set RBP @ 4950'. Isolated two sets of leaks: @ 4830' and 4550'. Set test packer @ 4460'.

Establish injection rate of 2/10 BPM @ 520#. Pour 1 sack sand on top of RBP.

RU pump truck and establish rate of 1 BPM @ 1500#. POOH w/test packer.

GIH w/cast iron cement retainer and circulate wellbore w/fresh water.

RU Haliburton, set CICR @ 4450'. Pressure annulus with 500#. OK.

Pump Class C cement w/3% fluid loss and friction reducer additive @ 14.8 PPG (75 sx in 17 bbls slurry).

Pump 14 bbls; hesitate. Pump 1 bbl; hesitate. Pump 1/2 bbl. Repeat two more hesitation stages.

TBG pressure holding @ 1970#. Sting out of retainer. Reverse 4 sx cement; wash up; POOH.

RU reverse unit. GIH w/ 3 1/4" bit, 6-2 3/8" drill collars, workstring. Commence drilling on CICR.

Drill out of cement @ 4855'. POOH. GIH w/retrieving head and workstring. Ran into tight spot @ 4777'.

POOH. GIH w/ string mill to 4944', catching stringers. Wash off sand; latch-in; release 4" RBP. POOH.

GIH w/PC 1X Packer, on/off tool, 40 jts 2 3/8" IPC tbg, changeover, 118 jts 2 7/8" DuoLine tbg.

Set packer @ 4950'. Un-jay from on-off tool; circulate packer fluid; latch back onto packer.

NDBOP. NUWH. Leave packer in neutral weight (32,000#). Test to 500# with 30 min chart. OK.

Return SWD Well F-30 to injection.

HOBBS EAST SWD WELL F-30

1980' FNL & 2310' FWL

SEC 30-T18S-R39E

DF: 3615'

GL: 3606'

API# 30-025-07950

Circ. to Surface
w/ 900 sx

8 5/8" CSG @ 1883'

100 jts 2 7/8" DuOline tbg
40 jts 2 3/8" IPC tbgCirc. to Surface
w/ 1200 sx

SQZ'D PERFS: 3808'-3834'

SQZ'D PERFS: 3962'-3992'

TOL @ 4317'

4" Pkr @ 4376'

5 1/2" csg @ 4474'

Perf 4420-4470'

SQZ'D PERFS: 4500' w/100sx

SQZ'D Holes @ 4550, 4830' w/75sx June 2001

TOC orig 5200'

PERFS 5105'-5188': 20 Holes

PERFS 5248'-5261': 12 Holes

25 jts 2 7/8" tbg fish @ 5390'

PERFS 5980'-6054': 25 Holes

PBTD @ 6120'

CIBP @ 6130'

PERFS 6166'-6188'

CIBP @ 6273'

PERFS 6415'-6443'

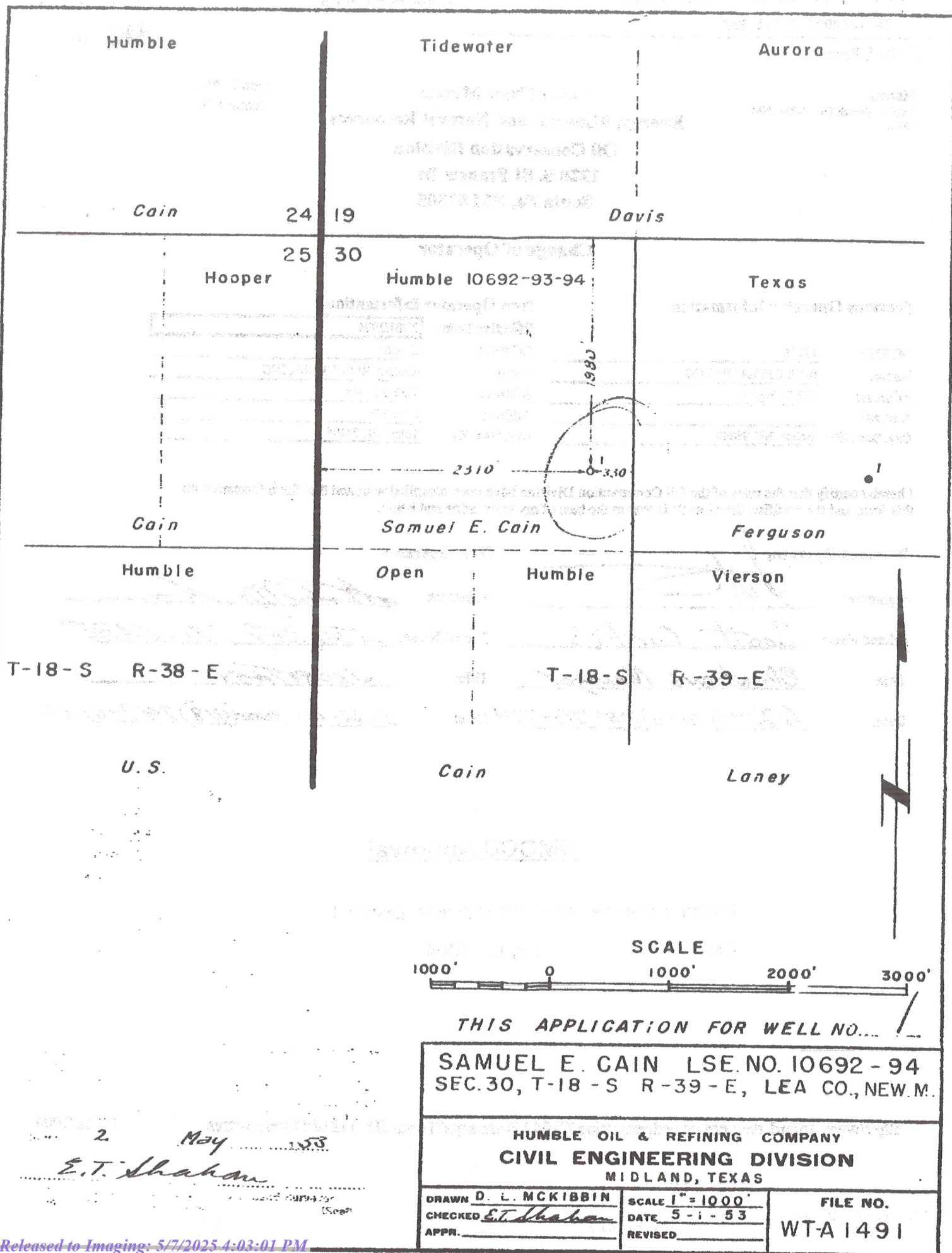
4" LINER @ 6480'

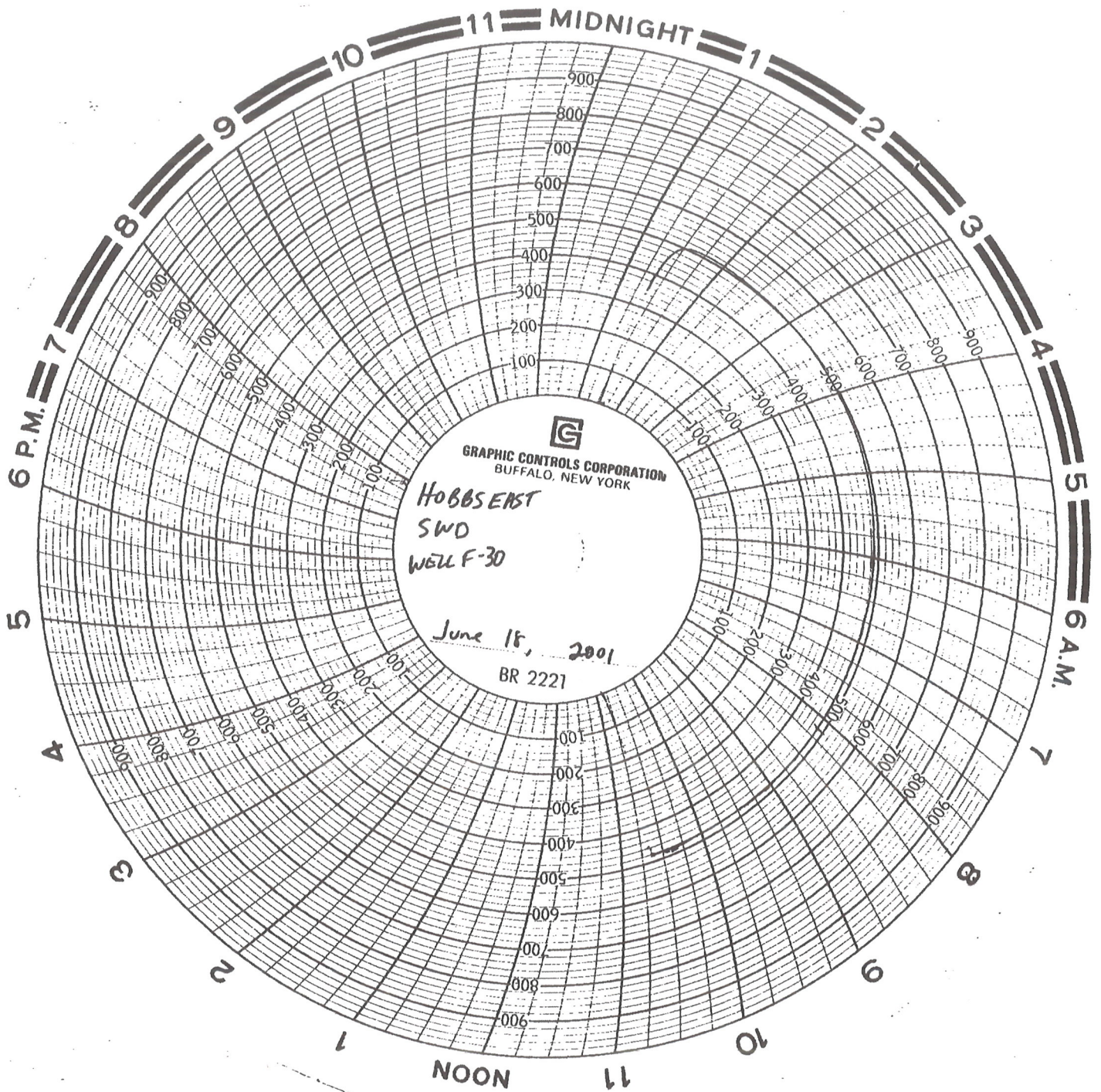
Drawn	BY
11/15/00	CDH
6/20/01	CDH
11/12/01	CDH
6/25/02	CDH

Perforate San Andres P-1

RICE OPERATING COMPANY

122 West Taylor
Hobbs, NM 88240**Hobbs East SWD F-30**1980' FNL & 2310' FWL
SEC 30, T18S, R39E
Lea County New Mexico







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OPERATOR	

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

Form C-105
Revised 1-1-65

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.

1a. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Salt Water Disposal		7. Unit Agreement Name	
b. TYPE OF COMPLETION NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Re-entry		8. Farm or Lease Name Hobbs East SA SWD	
2. Name of Operator Rice Engineering & Operating, Inc.		9. Well No. F-30	
3. Address of Operator P. O. Box 1142, Hobbs, New Mexico		10. Field and Pool, or Wildcat Hobbs East San Andres	
4. Location of Well UNIT LETTER F LOCATED 2310 FEET FROM THE west LINE AND 1980 FEET FROM		12. County Lea	
THE N LINE OF SEC. 30 TWP. 18S RGE. 39E NMPM		18. Elevations (DF, RKB, RT, GR, etc.) 3615' DF	
15. Date Spudded 11-25-68	16. Date T.D. Reached 12-9-68	17. Date Compl. (Ready to Prod.) 12-12-68	19. Elev. Casinghead 3606'
20. Total Depth 6480'	21. Plug Back T.D. 6130'	22. If Multiple Compl., How Many -	23. Intervals Drilled By 0-6480'
24. Producing Interval(s), of this completion - Top, Bottom, Name 5248-5261' - San Andres 5980-6054' - Glorieta			25. Was Directional Survey Made No
26. Type Electric and Other Logs Run Gamma Ray-Neutron			27. Was Well Cored -
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	AMOUNT PULLED
8-5/8"		1895'	900 sacks circulated
5-1/2"		4474'	1200 sacks circulated
Liner 4"		4-3/4"	
29. LINER RECORD		30. TUBING RECORD	
SIZE	TOP	BOTTOM	PACKER SET
4"	4317	6480	
31. Perforation Record (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
		DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
		3308-3834'	Sqz. w/50 sx. cement
		3962-3992'	Sqz. w/50 sx. cement
		5248-6054'	5000 gal. 15% Hcl
33. PRODUCTION			
Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)		Well Status (Prod. or Shut-in)
			Salt water disposal
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.
34. Disposition of Gas (Sold, used for fuel, vented, etc.)			Test Witnessed By
35. List of Attachments			
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.			
SIGNED L. B. Goodheart		TITLE Division Manager DATE 12-26-68	

This form is to be filed with the appropriate District Office of the Commission not later than 15 days after completion of any newly-sited or deepened well. It shall be accompanied by one copy of all electrical and production data for the well, including drill stem tests. All depths reported shall be measured, i.e., to the true vertical depth. It shall also be reported. For multiple completions, items 10 through 24 shall be reported for each completion. For state land, where six copies are required, see Rule 10.

Southeastern New Mexico

Northwestern • Mexico

T. Anhy	1870	T. Canyon	T. Cjo Alamo	enn. "B"
T. Salt		T. Strawn	T. Highland-Peptide	enn. "C"
B. Salt		T. Atoka	T. Pictured Rocks	enn. "D"
T. Yates	3045	T. Miss	T. Cliff House	adville
T. 7 Rivers		T. Devonian	T. Senessee	adison
T. Queen	3955	T. Silurian	T. Point Lookout	bert
T. Grayburg		T. Montana	T. Kansas	Cracken
T. San Andres	4455	T. Simpson	T. Gallup	acio Qtzte
T. Glorieta	5852	T. McKee	Base Greenhorn	ante
T. Paddock		T. Ellentarger	T. Dakota	
T. Blinbry		T. Gr. Wash	T. Morris	
T. Tubb		T. Granite	T. Modito	
T. Drinkard		T. Delaware Sand	T. Farrada	
T. Abo		T. Bone Springs	T. W.igate	
T. Wolfcamp		T.	T. Conle	
T. Penn.		T.	T. Permian	
T. Cisco (Bough C)		T.	T. Penn. (A)	

FORMATION RECORD - Attach additional sheets if necessary

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation

Quaternary: 0'
Rustler: 907'
Salado: 1,000'
Yates: 2,220,
Seven Rivers: 2,500'
Queen: 3,197'
Grayburg: 3,566'
San Andres: 3,940' ✓
Glorieta: 5,796'
Paddock: 5,850'
Bone Springs: 6,220'
Tubb: 7,430'
Drinkard: 7,489'
Abo: 7,740'
Upper Wolfcamp: 9,329'
Lower Wolfcamp: 10,094'
Total Depth: 12,725'

- IX. Large conventional acid job.
- X. Logging and test data will be run on the well once completed.
- XI. No fresh water found or recorded by state engineer or OCD.
- XII. The disposal formation will have several thousand feet of overburden on top of it.
In these several thousands of feet of impermeable shale and evaporate zones of various thickness exists. These zones will stop any hydraulic communication between geologic strata.
- XIII. Notice (this application) has been sent to the surface owner (BLM) and leasehold operators of all wells within a half-mile along with a legal notice published in Eddy County as instructed.

P.O. Box 173, Midland, TX 79702
(432) 682-4002
(432) 684-4741 fax

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LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.
-

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" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- Salt water disposal well		7. Unit Agreement Name -
2. Name of Operator Rice Engineering & Operating, Inc.		8. Farm or Lease Name Hobbs East SA SWD
3. Address of Operator P. O. Box 1142, Hobbs, New Mexico 88240		9. Well No. T-30
4. Location of Well UNIT LETTER <u>F</u> <u>2310</u> FEET FROM THE <u>west</u> LINE AND <u>1980</u> FEET FROM THE <u>north</u> LINE, SECTION <u>30</u> TOWNSHIP <u>18S</u> RANGE <u>39E</u> NMPM.		10. Field and Pool, or Wildcat Hobbs East San Andre
15. Elevation (Show whether DF, RT, GR, etc.) 3615' DF		12. County Lea

16.

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐PLUG AND ABANDON ☐REMEDIAL WORK ☐ALTERING CASING ☐TEMPORARILY ABANDON ☐COMMENCE DRILLING OPNS. ☐PLUG AND ABANDONMENT ☐PULL OR ALTER CASING ☐CHANGE PLANS ☐CASING TEST AND CEMENT JOBS ☐OTHER Re-entry ☒OTHER ☐

for conversion to salt water disposal we.

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

11-25-68

Re-entered and cleaned out to 3841', squeeze perfs. from 3808 to 3834' w/50 sacks cement-WOC 24 hours-drilled 8' cement to 3850'-tested squeeze to 1000 psi for 30 min. held OK.

Continue clean out to 4314' and set Baker Model P CIBP @ 4024'-squeeze perfs. from 3962 to 3992' w/50 sacks cement-WOC 24 hours-tested squeeze and perfs. to 1000 psi for 30 min. held OK. Drill out CIBP @ 4024' and tested top of liner to 1000 psi for 30 min. held OK.

Continue to clean out to 6120'. Acidize perfs. 5248-5261' & 5980-6054' w/5000 gals. 15% reg. acid.

Test perfs. after acidize, injection rate 50 bbls./hr.

12-9-68 Release workover.

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

ORIGINAL SIGNED BY

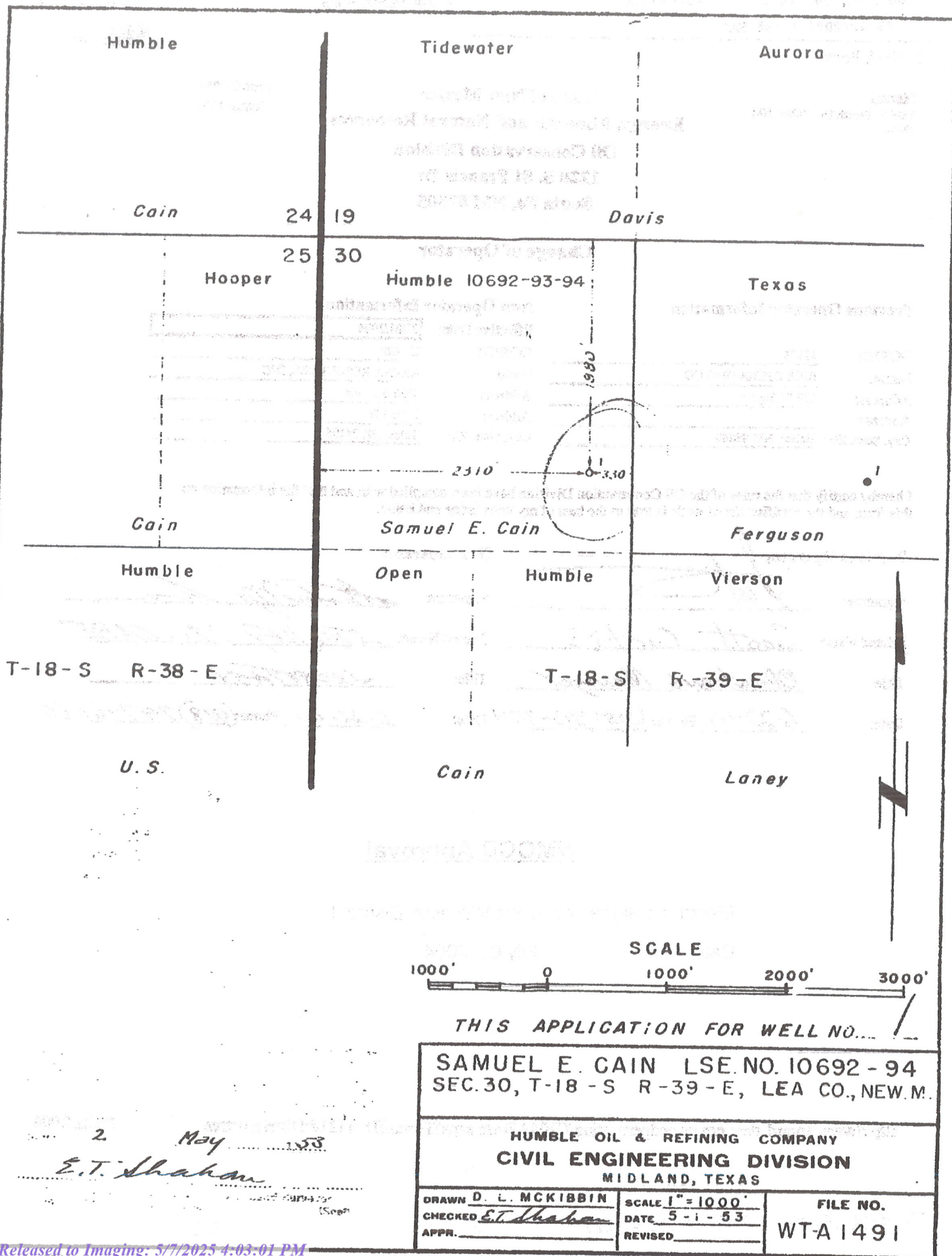
SIGNED L. B. GOODHEARTTITLE Division ManagerDATE 12-26-68L. B. Goodheart

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



HOBBS EAST SWD WELL F-30

1980' FNL & 2310' FWL

SEC 30-T18S-R39E

DF: 3615'

GL: 3606'

API# 30-025-07950

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w/ 900 sx

8 5/8" CSG @ 1883'

100 jts 2 7/8" DuOnline tbg
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SQZ'D PERFS: 3808'-3834'

SQZ'D PERFS: 3962'-3992'

Circ. to Surface
w/ 1200 sx

TOL @ 4317'

4" Pkr @ 4376'

5 1/2" csg @ 4474'

Perf 4420-4470'

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SQZ'D Holes @ 4550, 4830' w/75sx June 2001

TOC orig 5200'

PERFS 5105'-5188': 20 Holes

PERFS 5248'-5261': 12 Holes

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PERFS 5980'-6054': 25 Holes

PBTD @ 6120'

CIBP @ 6130'

PERFS 6166'-6188'

CIBP @ 6273'

PERFS 6415'-6443'

4" LINER @ 6480'

Drawn	BY
11/15/00	CDH
6/20/01	CDH
11/12/01	CDH
6/25/02	CDH

Perforate San Andres P-1**RICE OPERATING COMPANY**122 West Taylor
Hobbs, NM 88240**Hobbs East SWD F-30**1980' FNL & 2310' FWL
SEC 30, T18S, R39E
Lea County New Mexico

Quaternary: 0'
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Yates: 2,220,
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Grayburg: 3,566'
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P.O. Box 173, Midland, TX 79702
(432) 682-4002
(432) 684-4741 fax

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 425919

CONDITIONS

Operator: RUTHCO OIL, LLC P.O. Box 1212 Eunice, NM 88231	OGRID: 230835
	Action Number: 425919
	Action Type: [C-108] Fluid Injection Well (C-108)

CONDITIONS

Created By	Condition	Condition Date
erica.gordan	None	5/7/2025