STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501

FORM C-108
Revised 7-1-81

APPLICATION FOR AUTHORIZATION TO INJECT

I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage
Application qualifies for administrative approval? ☒ yes ☐ no

II. Operator: Tenneco Oil Exploration and Production
Address: 7990 IH 10 W., San Antonio, TX 78230
Contact party: Richard Marquardt Phone: (512) 366-8008

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: Richard Marquardt Title Production Engineer

Signature: Richard Marquardt Date: 5-5-84

* 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. N/A

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division district office.

Affidavit of Publication

STATE OF NEW MEXICO)

) ss.

COUNTY OF LEA)

Joyce Clemens being first duly sworn on oath deposes and says that he is Adv. Director of THE LOVINGTON DAILY LEADER, a daily newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled Notice of Application for Fluid Injection Well Permit

and numbered ..... in the ..... Court of Lea County, New Mexico, was published in a regular and entire issue of THE LOVINGTON DAILY LEADER and not in any supplement thereof, once each week on the same day of the week, for three (3) consecutive weeks, beginning with the issue of March 30, 1984 and ending with the issue of April 13, 1984.

And that the cost of publishing said notice is the sum of $ 21.35 which sum has been (Paid) (~~Assessed~~) as Court Costs

Joyce Clemens

Subscribed and sworn to before me this 20th day of April, 1984

Mrs. Jean Lewis

Notary Public, Lea County, New Mexico

My Commission Expires Sept. 28, 1986

LEGAL NOTICE
NOTICE OF APPLICATION FOR FLUID INJECTION WELL PERMIT

Tenneco Oil Company, 7990 I.H. Ten West, San Antonio, Texas 78230 (512) 366-9090, Richard Marquardt (Production Engineer) has applied to the Oil Conservation Division for a permit to convert the Coastal "A" State Well No. 2 into a salt water disposal well. The well is located in Section 9, T9S, R33E, Lea County, New Mexico (14 miles west of Crossroads). Well No. 2 is located in the Flying M Field with a proposed injection formation, depth, rates and pressures as follows: San Andres formation, 4508-4628', 165 BW/Day and 1500 psi. Interested parties must file objection or requests for hearing with the Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

Published in the Lovington Daily Leader March 30, April 6 and 13, 1984.

AFFIDAVIT OF PUBLICATION

State of New Mexico,

County of Lea.

I, _____

Robert L. Summers

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 in a supplement thereof for a period

of _____

Three days ~~weeks~~

Beginning with the issue dated

April 2, 19 84

and ending with the issue dated

April 16, 19 84

Robert L Summers
Publisher.

Sworn and subscribed to before me this 18 day of April, 1984

Jane Pavlovsky
Notary Public.

My Commission expires

3-24, 1987

(Seal)

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

OFFICIAL SEAL
Signature Jane Pavlovsky
JANE PAVLOVSKY
NOTARY PUBLIC - NEW MEXICO
NOTARY BOND FILED WITH SECRETARY OF STATE
My Commission Expires 3-24-87

34

LEGAL NOTICE
April 2, 9, 16, 1984

NOTICE OF APPLICATION FOR FLUID INJECTION WELL PERMIT

Tenneco Oil Company, 7990 I.H. Ten West, San Antonio, Texas 78230 (512) 366-8000, Richard Marquardt (Production Engineer) has applied to the Oil Conservation Division for a permit to convert the Coastal "A" State Well #2 into a salt water disposal well. The well is located in Section 9, T9S, R33E, Lea County, New Mexico (14 miles west of Crossroads). Well #2 is located in the Flying M Field with a proposed injection formation, depth, rates and pressures as follows: San Andres formation 4508-4528', 165 BW/Day and 1500 psi. Interested parties must file objection or requests for hearing with the Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

Coastal "A" State No. 2
Work Prognosis
Convert to SWD

---

1. MIRU PU.
2. POOH with rods and tubing.
3. Trip hole with bit and scrapper.
4. RIH with nickel plated Watson J-Lock compression packer. On-Off tool, and 4358' 2-3/8" J-55, 4.7 lb per ft. EUE -8rd plastic coated tubing.
5. Set packer.
6. Loadtubing annulus with 2% KCL water and 10 gallons of Nalco 3400 packer fluid.
7. Pressure test tubing annulus to 750 psi.
8. Pump 2 barrels Tretolite PD-33 and 2000 gallons 15% HCL with NE agents.
9. Flush acid system with formation water.
10. RU SWD system.

1546F/dt

Coastal "A" State No.
Work Prognosis
Convert to Rod Pumping

---

1. MIRU PU. RUBOP.
2. PU and RIH with bit, scrapper, and 4600' 2-3/8" J-55, 4.7 lb per ft., EUE-8rd tubing.
3. Circulate hole clean, if possible, with undersaturated brine.
4. POOH and LD bit and scrapper.
5. RIH with Watson squeeze packer and tubing to 4350'.
6. Set packer. Load and pressure test tubing annulus to 750 psi.
7. Matrix acidize by pumping 1000 gallons 15% NEFE HCL acid and flush with 2% KCL water. Maximum WHP at 2000 psi.
8. Swab system back. ASAP.
9. Open by-pass on packer and equalize tubing annulus and tubing.
10. Unset packer.
11. POOH and LD packer.
12. PU and RIH with one joint tubing open ended, SN, two joints tubing, TAC, and 4460' 2-3/8" J-55, 4.7 lb per ft, EUE-8rd tubing.
13. RD BOP.
14. Set TAC and hang TAC off with 12 points.
15. PU and RIH with 76 class D rod string and 1.25" diagram pump.
16. Hang rods off and return well to production.

1546F/dt

WELL HISTORY: COASTAL "A" STATE #2

The Coastal "A" State #2 was spudded on July 1, 1971. Initial production was 42 BOPD, 12.6 MCFD gas and 112 BWPD after completion on July 25, 1971. The casing was perforated from 4458'-75' and 4485'-90' with one JSPF (22 holes of 1/2" dia.) After perforating, the well was acidized with 1500 gallons of 20% CRA acid plus 300 lbs. Benzoic in three stages.

During January 1972, the well was perforated from 4508'-4528' with two (2) 1/2" JSPF. The well was then acidized with 1000 gallons 20% CRA acid. Average production was less than 2 BOPD, therefore the well was shut-in for uneconomical production in March 1972.

0176B

TENNECO OIL E & P

PRODUCTION DEPARTMENT

Coastal "A" State #2

WELL PROFILE

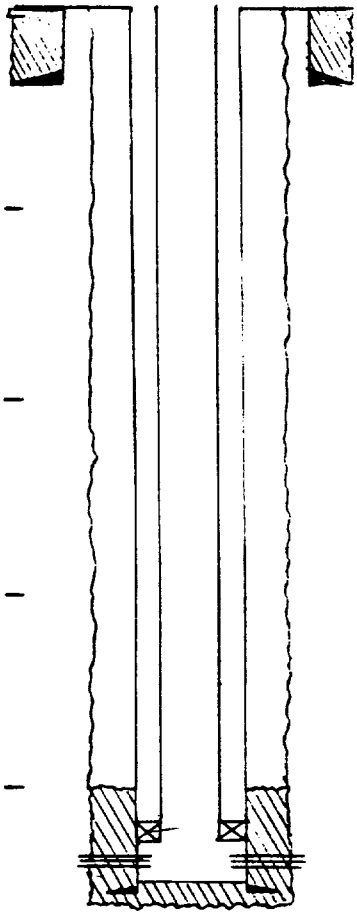
LOCATION: 718 FNL, 2029 FEL, Sec. 9, T9S R33E BY: JMC DATE: 10-15-82

ELEVATIONS: 4389'KB

K.B. to T.H. -
K.B. to GRD. - 12'

CASING DATA:

9 5/8", 40# @ 350' w/375 sx. circulated to surface.
13 3/4" hole.
4 1/2", 10.5# set @ 4598' w/150 sx. 7 7/8" hole. TOC
4010'. Temp. survey
TD @ 4601'
PBTD @ 4579'



Field: Flying "M"
Injection Formation - San Andres
Perforations: 4458-75' (1 JSPF)
4485-90' (2 JSPF)
4508-28' (2 JSPF)

Original Purpose - Oil well

TUBING SETTING:

DESCRIPTION	LENGTH	DEPTH
2 3/8", 4.7# J-55	4425'	
internally plastic coated		
4 1/2" Guiberson Uni VI	5'	4430'
Packer-nickle plated		

ROD DATA: none

SIZE	LENGTH	NUMBER	TYPE

VERTICAL SCALE: 1" = 1000'

VII.

1. Average injection rate - 45 BPD; maximum injection rate - 50 BPD.

2. System is closed.

3. Average injection pressure - 500 psi; maximum injection pressure 750 psi.

VIII.

COASTAL STATE A-2

Name of Zone: San Andres

Lithology: Limestone with Dolomite and Anhydrite

Depth to Top of Formation: 3830'
Depth to Perforated Zone: 4458'

Thickness of formation: 1300'
Thickness of Porous Zone: 70'

This township is not within the boundaries of any presently defined underground water basin. According to Mr. Nelson of the State Engineer's office in Roswell, it is likely that usable volumes of potable water could be found in one or more of the following formations, all at a depth of less than 1000 feet, and probably less than 500 feet:

Alluvial deposits	Quatenary
Ogallala fm	Pliocene
Santa Rosa fm	Triassic

No fresh water sources are to be expected below the proposed injection zone.

IX. Pump 42 BBLS 15% NE HCL down tubing. Overflush with 20 BBLS KCL water.

X. Logs already on file

XI. Not applicable.

XII. There is no geologic evidence for open faults or other hydrologic connection between the San Andres formation and any shallow aquifers. Specifically, the presence of the Rustler Anhydrite (upper Permian), at a depth of around 2000 feet in this area, virtually assures a natural hydrologic seal.

0199B/dt

HALF MILE RADIUS OF
PROPOSED SWD: COASTAL "A", STATE NO. 2

	TYPE	RECORD OF COMPLET'N	DEPTH	DATE DRILLED	LOCATION	CONSTRUCTION
Coastal "A" State No. 1	Oil Well	7-5-71	4625'	6-19-71	660' FNL 660' FWL Sec. 9 T9S R33E	12 3/4", 39 Lb/Ft, @366' Cmt. to Surface 5 1/2", 17 & 15 Lb/Ft, I-55, 8rd. @ 4625'. cmt'd w/75SX. TOC @ 7380 Temp. survey.
Coastal "A" State No. 2	Oil Well Proposed SWD	7-25-72	4601'	7-1-71	718 FNL' 2029 FEL' Sec. 9 T9S,R33E	9 5/8", 40 Lb/Ft, @ 350 Cmt'd w/ 375 sxs to surface 4 1/2", 10.S Lb/FT, @ 4598' Cmt'd w/ 150 sxs, TOC TOC @ 4010
Coastal State No. 2	Oil Well	7-2-71	9488	5-13-71	660'FNL 1980'FEL Sec. 9 T9S R33E	13 5/8", 54.5 Lb/Ft, @ 361' Cmt to Surface 8 5/8", 24 & 32 Lb/Ft, K-SS @ 3949', TOC @ 1440 by Temp. Survey. 5 1/2", 17 Lb/Ft, I-55 & N-80 @ 9488', TOC @ 7790' by Temp. Survey, TOL @ 3726' by Temp. survey.
Coastal "A" State No.3	Oil Well	8-4-71	9466'	12-9-70	1980'FWL 760'FSL Sec. 21 T9S R33E	13 3/8", 48 Lb.Ft, @ 351' Cmt w/ 375 sks. to surface. 8 5/8", 32 Lb/Ft, @ 3950' cmt'd w/ 950 sxs TOC @ 1900' 5 1/2", 17 LB/Ft @ 9466' 400 sxs. and 250 sxs TOC @ 3480'.
State "9" No. 2	D&A	8-6-74	4557'	7-27-74	1969'FNL 2000'FWL Sec. 9 T9S R33E	8 5/8" @ 336' cmt'd w/ 350 sxs. Cir. to surface. Hole is plugged.

RCM/rnb/1839F

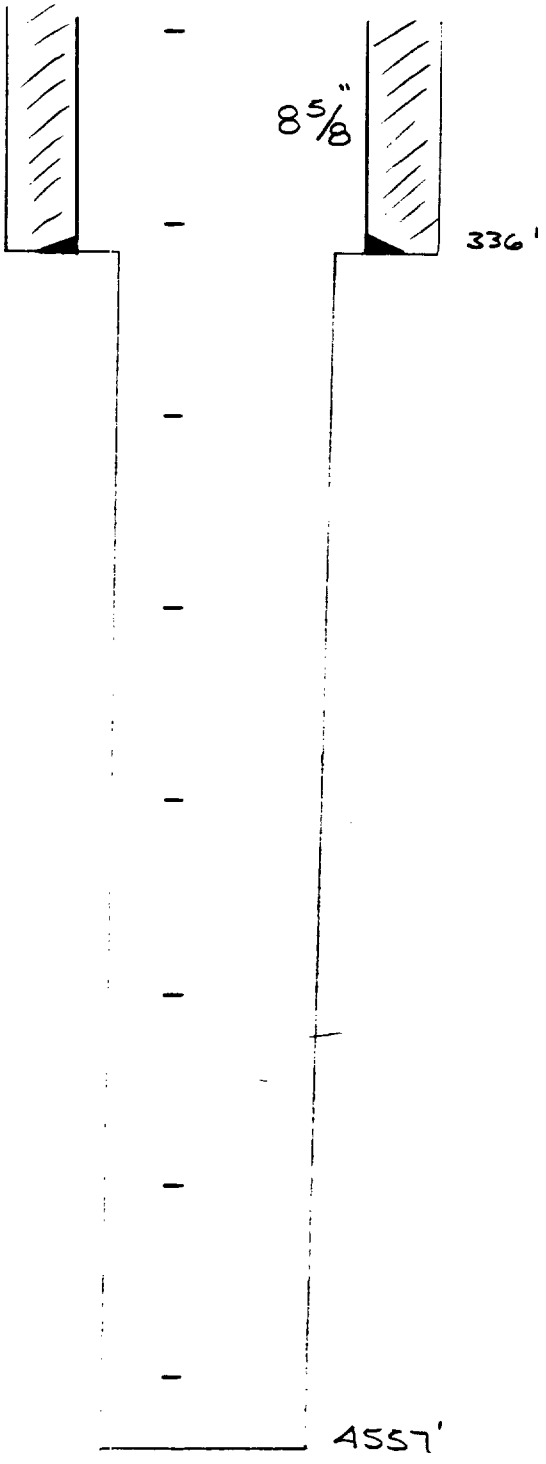
TENNECO OIL E. & P.

D & H
State "9" No. 2
Lea. Co., New Mexico
Fly "M" Field

PRODUCTION DEPARTMENT

WELL PROFILE

LOCATION: 1969' FNL, 2000' FWL, S9, T9S, R33E, BY: JCM DATE: 3-15-83



ELEVATIONS:

K.B. to T.H. -
K.B. to GRD. -

SPUD 7-27-74
Completion Reiord 8-6-74

CASING DATA:

8 5/8" @ 336'. cmt'd w/ 350 sxs.
Cmt'd to Surface.
NOTICE NEXT PAGE FOR
PLUGGING REPORT IS ADEQUATE

TUBING SETTING:

DESCRIPTION	LENGTH	DEPTH

ROD DATA:

SIZE	LENGTH	NUMBER	TYPE

VERTICAL SCALE:

NO. COPIES RECEIVED		
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
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 [X] 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 [ ] GAS WELL [ ] OTHER- Dryhole

7. Unit Agreement Name

2. Name of Operator: Coastal States Gas Producing Company

8. Farm or Lease Name: State 9

3. Address of Operator: P. O. Box 235, Midland, Texas 79701

9. Well No.: 2

4. Location of Well: UNIT LETTER F, 1969 FEET FROM THE north LINE AND 2000 FEET FROM THE west LINE, SECTION 9 TOWNSHIP 9-S RANGE 33-E NMPM.

10. Field and Pool, or Wildcat: Flying "M" San Andres

15. Elevation *(Show whether DF, RT, GR, etc.)*: 4380.9 GR

12. County: Lea

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [X]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [ ]	
OTHER [ ]		OTHER [ ]	

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.

8-7-74

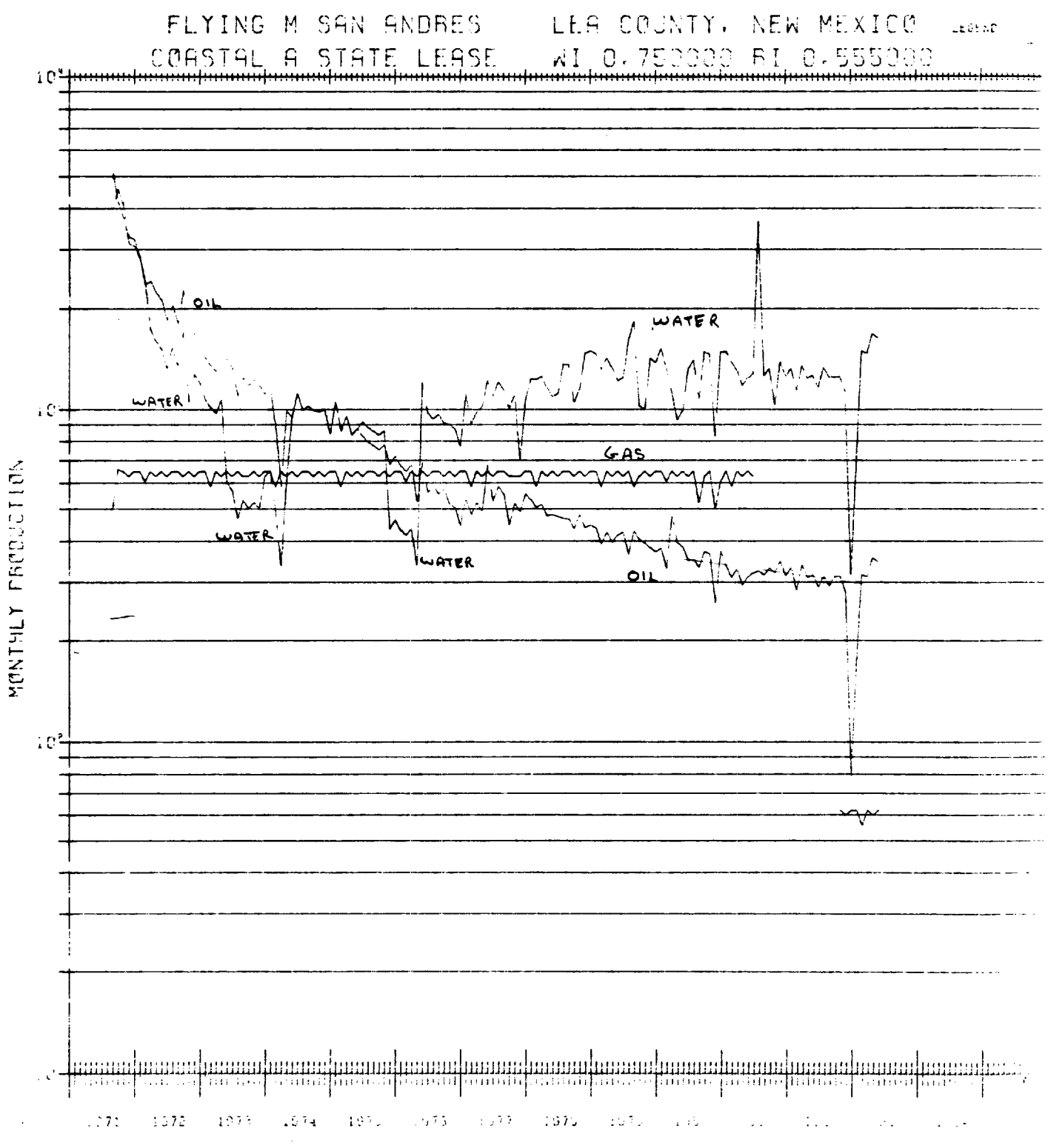
1. Set 40 sx. plug @ 4500-4430'. WOC 12 hrs.
2. Set 35 sx. plug @ 2800-2700'.
3. Set 35 sx. plug @ 1700-1600'.
4. Set 35 sx. plug @ 386-286'.
5. Set 10 sx. plug @ surface.

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

SIGNED J. B. Hopkins TITLE Dist. Prod. Superintendent DATE 8-12-74

APPROVED BY W. A. Gressett TITLE OIL & GAS INSPECTOR DATE JUN 9 1980

CONDITIONS OF APPROVAL, IF ANY:


FLYING M SAN ANDRES LEA COUNTY, NEW MEXICO
COASTAL A STATE LEASE WI 0.750000 RI 0.555000
MONTHLY PRODUCTION
OIL
WATER
WATER
GAS
WATER
WATER
OIL

Welex

ACOUSTIC VELOCITY NEUTRON LOG

COMPANY Tenneco Oil Company
WELL "A" # 2 Coastal States
FIELD Flying "M"
County Lea State N. M.

COMPANY TENNECO OIL COMPANY

WELL FILE

WELL COASTAL STATES "A" # 2

FIELD FLYING "M" (SAN ANDRES)

COUNTY LEA STATE NEW MEXICO

Location

718.5' FNL & 2088.7' FEL

Sec. 9 Twp 9-S Rge 33-E

Other Services:

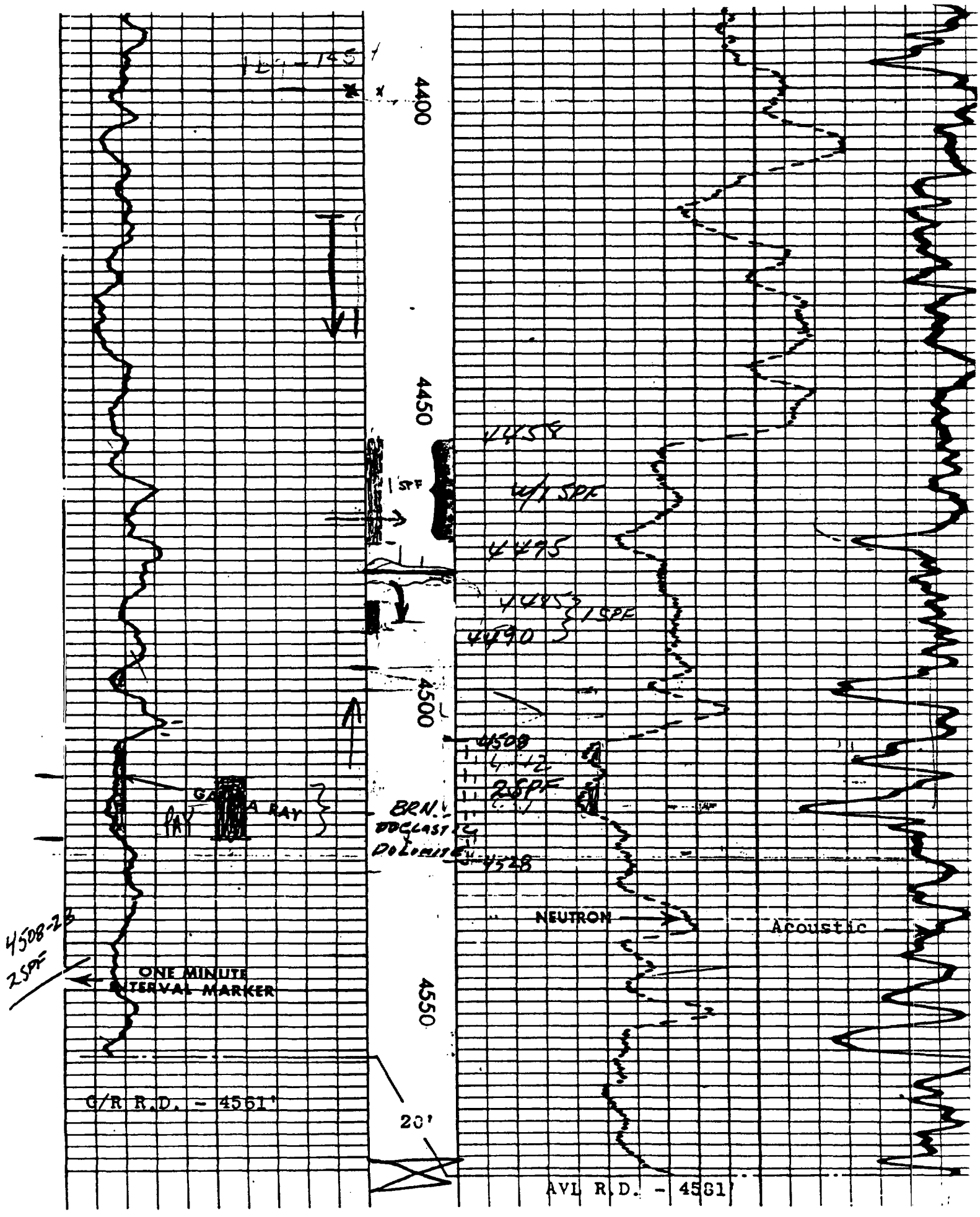
FF - MSG

Permanent Datum Ground Level Elev. 4377'
Log Measured From K. B. - 17 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elev.: K.B. 4389'
D.F. 4387'
G.L. 4377'

Date	7/12/71			
Run No.	- One -			
Depth—Driller	4595			
Depth—Welex	4587			
Btm. Log Inter.	4581			
Top Log Inter.	3600			
Casing—Driller	8-5/8" @ 370	@	@	@
Casing—Welex				
Bit Size	7-7/8"			
Type Fluid in Hole	Salt Gel			
Dens. | Visc.	|	|	|	|
pH | Fluid Loss	| ml	| ml	| ml	| ml
Source of Sample				
R_m @ Meas.Temp.	@ °F	@ °F	@ °F	@ °F
R_{mf} @ Meas.Temp.	@ °F	@ °F	@ °F	@ °F
R_{mc} @ Meas.Temp.	@ °F	@ °F	@ °F	@ °F
Source R_{mf} R_{mc}	|	|	|	|
R_m @ BHT	@ °F	@ °F	@ °F	@ °F
Time Since Circ.				
Max. Rec. Temp.	°F @	°F @	°F @	°F @
Equip. | Location	7938 | Odessa	|	|	|
Recorded By	T. Runyan			
Witnessed By	Mr. Cunard			

PERMANENT FILE COPY
DO NOT REMOVE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4508
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2SPF
BRN.
DOLOMITE
4528
GAMMA RAY
NEUTRON
Acoustic
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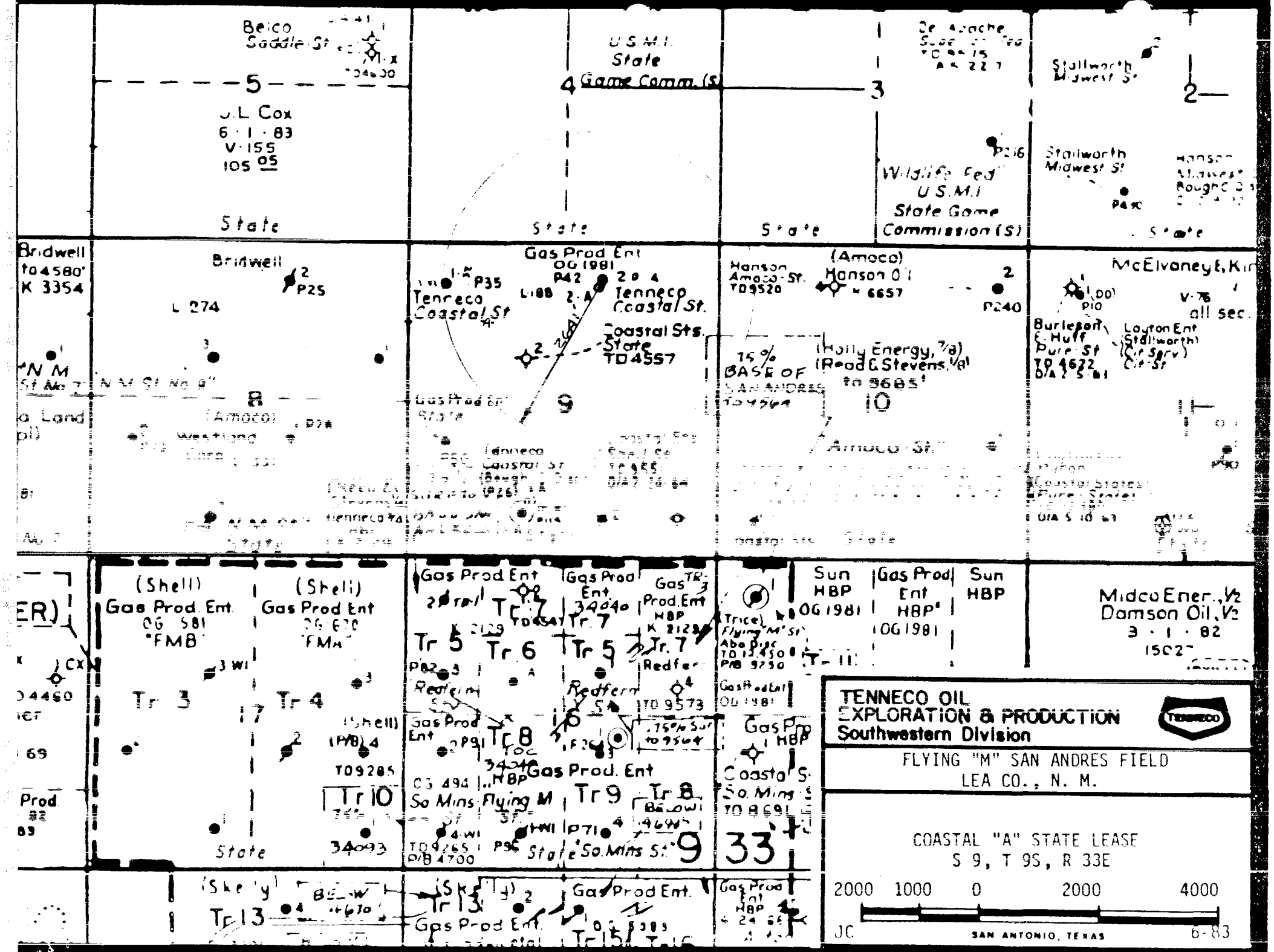
2SPF
ONE MINUTE
INTERVAL MARKER
G/R R.D. - 4561'
20'
AVL R.D. - 4561'


Belco
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J.L. Cox
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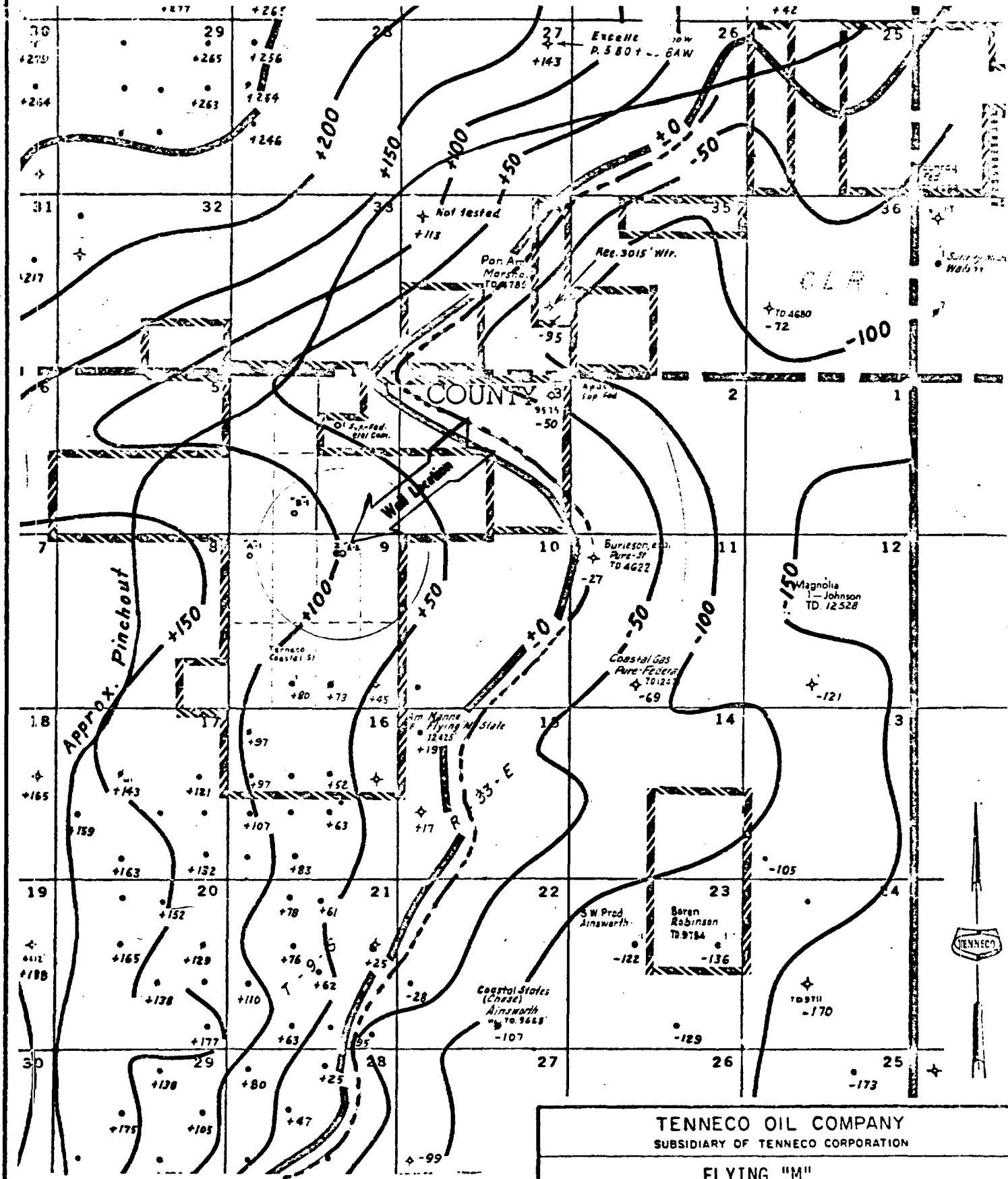
State
U.S.M.I.
State
Game Comm. (S)
De Apache
Stallworth
Midwest St.
Wildlife Fed
U.S.M.I.
State Game
Commission (S)
Stallworth
Midwest St
Bridwell
TD 4580'
K 3354
Bridwell
L 274
N M St No 8
(Amoco)
Westland
Gas Prod Ent
OG 1981
Tenneco
Coastal St
Coastal Sts.
State
TD 4557
Hanson
Amoco St.
TD 9520
(Amoco)
Hanson Oil
M 6657
(Holly Energy, Inc)
(Read & Stevens, Inc)
TD 9685'
75% BASE OF
SAN ANDRES
TD 4564
Amoco St.
McElvaney & Kinsey
Burleson & Huff
Pure St
TD 4622
Layton Ent
(Stallworth)
(Pure Serv)
Coastal States
Pure State
(Shell)
Gas Prod. Ent.
OG 581
"FMB"
(Shell)
Gas Prod Ent
"FMA"
Tr 3
Tr 4
Tr 10
(Shell)
TD 9285
34093
State
Gas Prod Ent
Tr 7
Tr 5
Tr 6
Tr 8
Tr 9
Tr 8
Below
Gas Prod. Ent
Flying M
So Mins
State
So. Mins St.
9
Gas Prod Ent
Tr 7
Tr 5
Tr 7
Redfern
TD 9573
Sun
HBP
OG 1981
Gas Prod
Ent
HBP
Sun
HBP
Tricel
Flying M St
Abo Prod
TD 13,450
P/B 9750
Gas Prod Ent
OG 1981
Coastal St
So. Mins St
TD 9691
33
Midco Ener., 1/2
Damson Oil, 1/2
3-1-82
Shell
Tr 13
Gas Prod Ent.
Tr 15
Gas Prod Ent
HBP
TENNECO OIL
EXPLORATION & PRODUCTION
Southwestern Division
FLYING "M" SAN ANDRES FIELD
LEA CO., N. M.
COASTAL "A" STATE LEASE
S 9, T 9S, R 33E
2000 1000 0 2000 4000
JC
SAN ANTONIO, TEXAS
6-83



Approx. Limit Clean Dolomite

Approx. Oil-Water Contact (-10)

TENNECO OIL COMPANY
SUBSIDIARY OF TENNECO CORPORATION

FLYING "M"
Lea & Chaves Co.'s, New Mexico

Structure Map
Top Pi Marker
C.I. = 50'

SCALE IN FEET
4000 2000 0 4000 8000

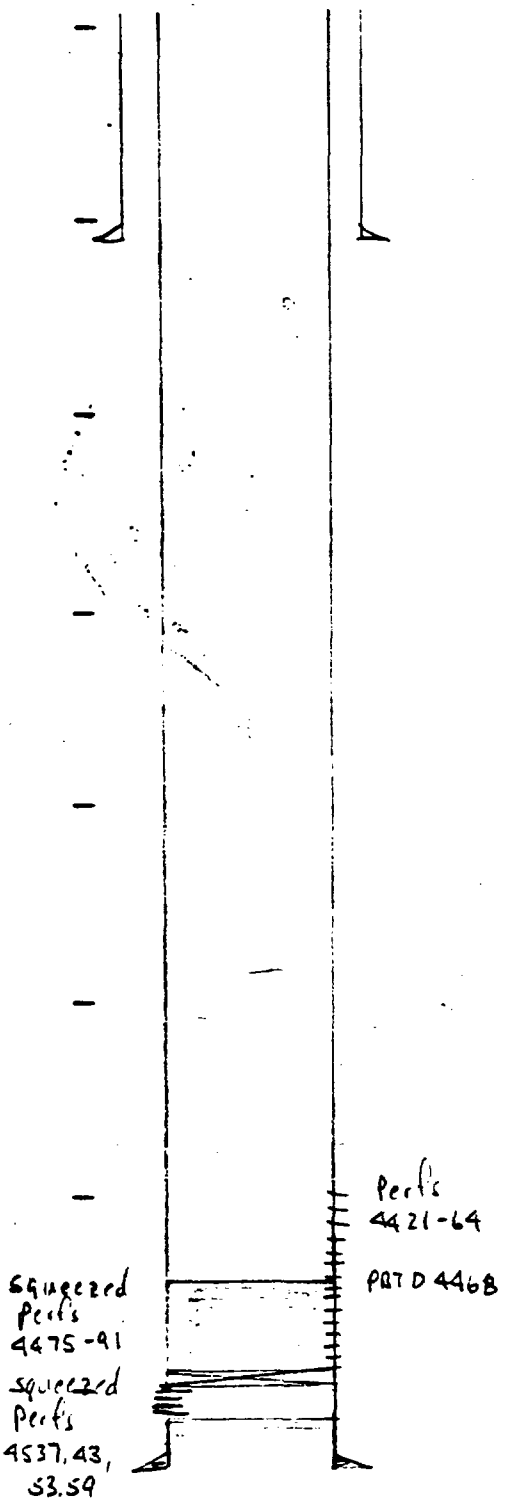
MIDLAND, TEXAS

6-28-71

TENNECO OIL COMPANY PRODUCING DEPARTMENT

Coastal 'A' State #1
WELL PROFILE

LOCATION: 4 mi E 660 FNL & FWL Sec 9 T9S R33E BY: GTA DATE: 9/26/Inc



ELEVATIONS: 4384.5 GR

K.B. to T.H. —
K.B. to GRD. —

CASING DATA :

6/19/71 Spud
6/19/71 Set 12 3/4" 39# csg at 366 in 17 1/2" hole cement circulated
7/1/71 set 5½ 17 & 15.5# J55 8RD @ 4625 w/ 75 sx
TOC 4380 by Temp Surv.
PBTD 4468

TUBING SETTING :

DESCRIPTION	LENGTH	DEPTH
None		

ROD DATA : None

SIZE	LENGTH	NUMBER	TYPE

VERTICAL SCALE :

PUMP DATA :

None

PUMPING UNIT DATA :

MAKE – Cabot
SIZE – CT 16 LM 30 DC
MAXIMUM STROKE – 64, 52, 40, 28
MAXIMUM SPM –
PPRL 16000 #
Peak Torque 168, 495 " #

PRIME MOVER :

MAKE – None
MODEL –
MAXIMUM HP –
MAXIMUM RPM –

REMARKS :

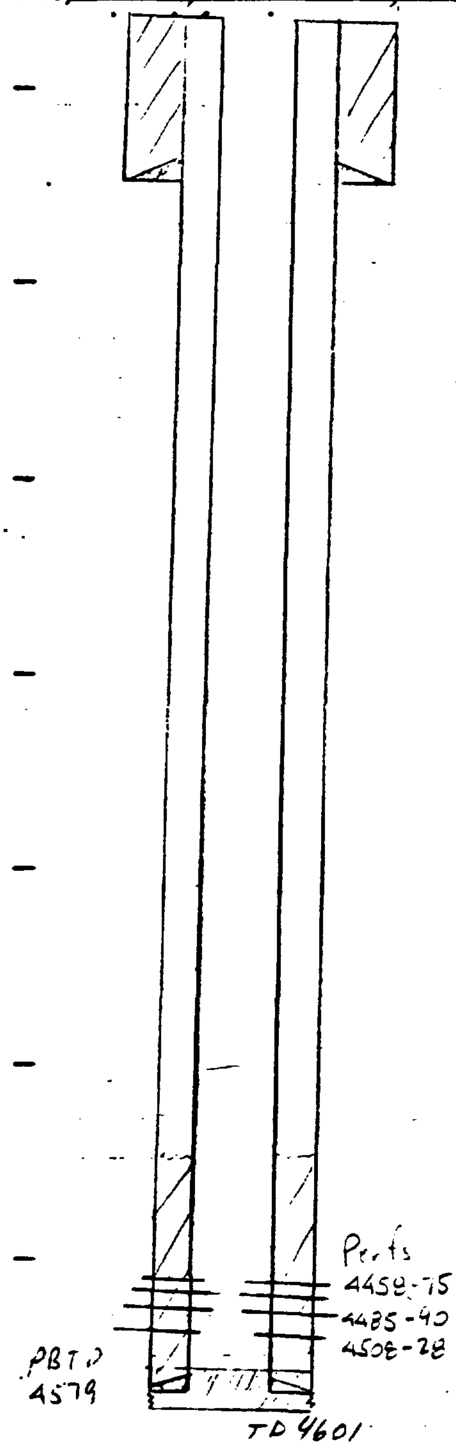
7/3/71 Perf 4537, 43, 53, 59 w/ 2 JSPF - treat w/ 500 gal 15% HCl AIR ¼ BPM, AIP 1550 psi, ISIP 1600 psi 15 min SIP 1100 psi. Swab Load fluid + no shows
7/4 Set retainer @ 4525 + squeeze perfs w/ 40 sx to 2000 psi.
7/4 Perf 4425, 29, 36, 37, 38, 39, 56, 57, 59, 65, 75, 76, 80, 83, 89, 91 w/ 2 JSPF - treat w/ 750 gal 15% HCl @ 4/10 BPM + 1300 psi - Swab load + c/
7/5 put on pump 3 BO + 95 BLWPD
7/21 treat w/ 1500 gal 20% Acid - 3 stages w/ BA flakes ¼ BPM 1600 psi. production test 6 BO + 60 BLWPD

7/23/71 [illegible] 20% SRA-I + 60 bbl Kerosene - Had communications w/ roundpacker pumper [illegible]
9/30/71 Squeeze [illegible] perf 4475-4491 [illegible]
11/15/71 Dr bail to 4468 w/ sand to seal off channel between perfs
12/15/71 Perf 4421-24 & 31, 45 w/ 2 JSPF - acidize w/ [illegible] acid in 2 stgs w/ BAF + rock salt diverter
1-13 Set [illegible] - TIH perf [illegible]

Coastal 'A' State #2

WELL PROFILE

LOCATION: 718 FNL, 2029 FEL, Sec 9, T9S, R33E **BY:** MHF **DATE:** 6-23-80



ELEVATIONS: 4389 KB Datum 12' AGL

K.B. to T.H. —	
K.B. to GRD. —	12'

CASING DATA:

9 5/8" 40# csg 350' w/375 sx circ	13 3/4" hole
4 1/2" 10.5# csg 4598' w/ 150 sx	7 7/8" hole
TOC 4010'	
TD 4601 PB 4579	

TUBING SETTING: None

DESCRIPTION	LENGTH	DEPTH
San Andres formation		

ROD DATA: None

SIZE	LENGTH	NUMBER	TYPE

perfs
4452-75
4485-90
4502-28

VERTICAL SCALE:

PUMP DATA :

PUMPING UNIT DATA :

MAKE –

SIZE –

MAXIMUM STROKE –

MAXIMUM SPM –

PRIME MOVER :

MAKE –

MODEL –

MAXIMUM HP –

MAXIMUM RPM –

REMARKS :

7/1/71 spud

7/25/71 well complete IP 42 BOPD, 12.6 MCF gas, 112 BWPD perf 4458-75 4485-90 1 JSPF ½" : - acidize w/1500 gal 20% CRA + 300 # Benzoic in 3 stages

1-72 perf 4508-4528 w/ 2 ½" JSPF acidize w/ 1000 gal 20% CRA acid

3-72 Uneconomical production rate less than 2 BOPD Shut In

5/73 Consider converting to SWD in San Andres

Coastal State #2
WELL PROFILE

LOCATION: Unit B 660 FNL 1980 FEL Sec 9 T9S R33E Lea County, New Mexico BY: GTH DATE: 9/17/80

ELEVATIONS: 4377 'GL 4390' KB

K. B. to T. H. —	
K. B. to GRD. —	

CASING DATA:

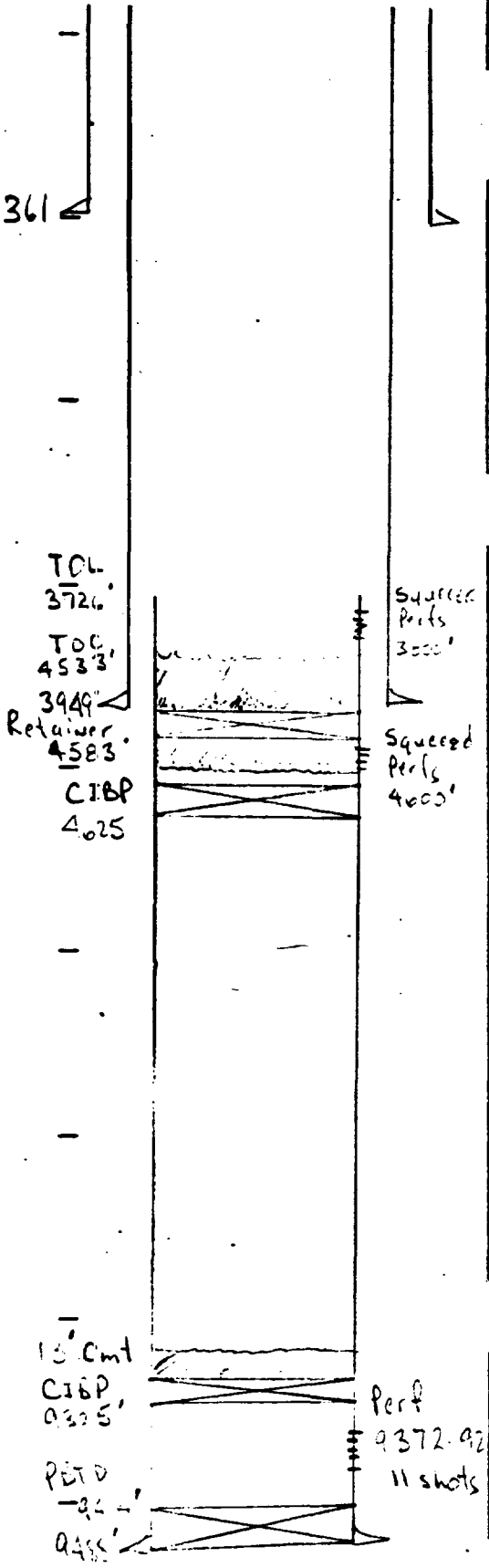
5/13/71	13 3/8	54.5#	J55	@ 361 ft	in 17 1/2" hole Cmt Circulate
5/18/71	8 5/8	24 & 32#	K55	@ 3949	in 11" hole TOC @ 1440 by Temp Survey
6/12/71	5 1/2	17#	J55 & N80	@ 9455	in 7 7/8" hole TOL @ 3726 TOC @ 7790 by Temp Survey

TUBING SETTING: None

DESCRIPTION	LENGTH	DEPTH

ROD DATA: None

SIZE	LENGTH	NUMBER	TYPE



VERTICAL SCALE:

IMP DATA: None

JMPING UNIT DATA: None

AKE –
ZE –
AXIMUM STROKE –
AXIMUM SPM –

RIME MOVER: None

AKE –
ODEL –
AXIMUM HP –
AXIMUM RPM –

EMARKS:

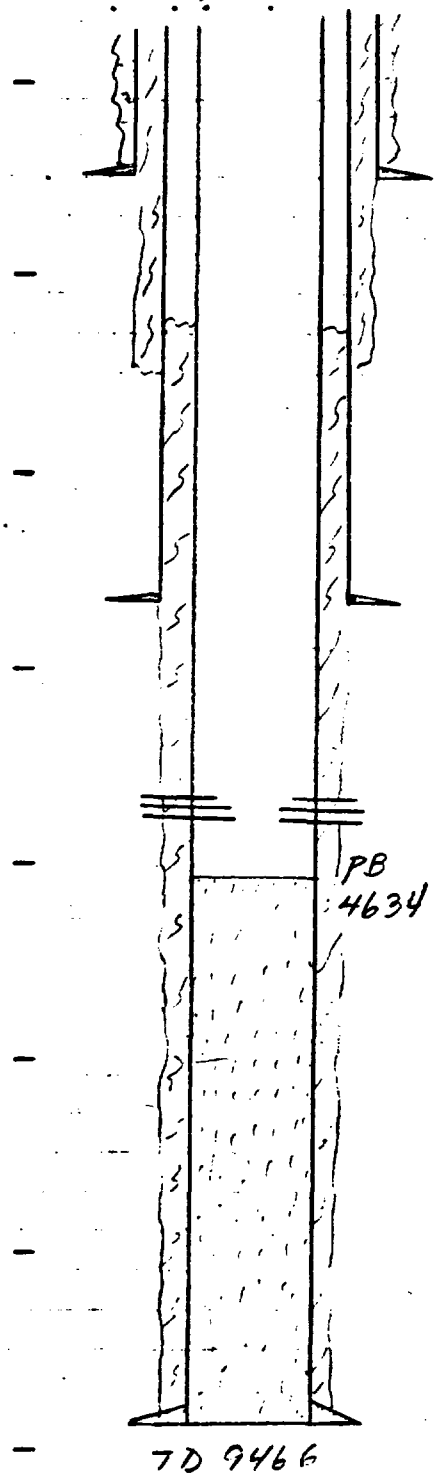
Perforate 9372-92 w/1 Jet Shot/2 ft (11 holes)
6/19/71 Acidize w/ 3000 gal (2-1500 gal stages) 20% Retarded HCl & 40# BAF
Treating Pressure 1600-2000 psi ISIP 200 psi to vac in 1 min
Average rate 6 BPM
7/2/71 IP test 114 BO, 273 BW, 267 MCF in 24 hrs on pump
Production declined to 30 BO, 41 BWPD
7/21/71 FBHP 545 psi
8/26/71 Swabbed — 11% hrs - Final Fluid level 9000' - Recovered 25 BO
9/6/71 BHP 455 psi Shut in
9/14/71 BHP 454 psi Shut in
11/9/71 Set BP @ 9325' w/ 13 ft of cement on top - set BP @ 4605'
Pressured csg @ 3800 - set R-tainer @ 4583'
and cemented upper portion of liner w/ 73 sx class H.
Squeeze below perfs to 2000 psi, top to 1000 psi. TOC
@ 4533 –

TENNECO OIL COMPANY — PRODUCING DEPARTMENT

Coastal 'A' State #3

WELL PROFILE

LOCATION: 820 FWL, 760 FSL, Sec 21, T9S, R33E BY: MHF DATE: 6-23-80



producing perfs
4485, 95, 99, 4508, 13, 16

squeezed perfs
9329-47

ELEVATIONS: 4385 GL

K.B. to T.H. —	4400 KB
K.B. to GRD. —	

CASING DATA:

13 3/8" 48# csa 351 w/ 375 sx circ	17½" hole
8 5/8" 32# csa 3950' w/ 1950 sx 50-50 pez-mix TOC 1900'	11" hole
5½ 17# csa 9466 w/ 400 sx 1st stage, 2nd stage 250 sx TOC 3480' TD 9466 PB 4634	7 7/8" hole

TUBING SETTING:

DESCRIPTION	LENGTH	DEPTH
2 7/8 EUE		9375
San Andres formation		

ROD DATA:

SIZE	LENGTH	NUMBER	TYPE
7/8	1650		
3/4	2750		

VERTICAL SCALE:

PUMP DATA :

PUMPING UNIT DATA :

MAKE –

SIZE –

MAXIMUM STROKE –

MAXIMUM SPM –

PRIME MOVER :

MAKE –

MODEL –

MAXIMUM HP –

MAXIMUM RPM –

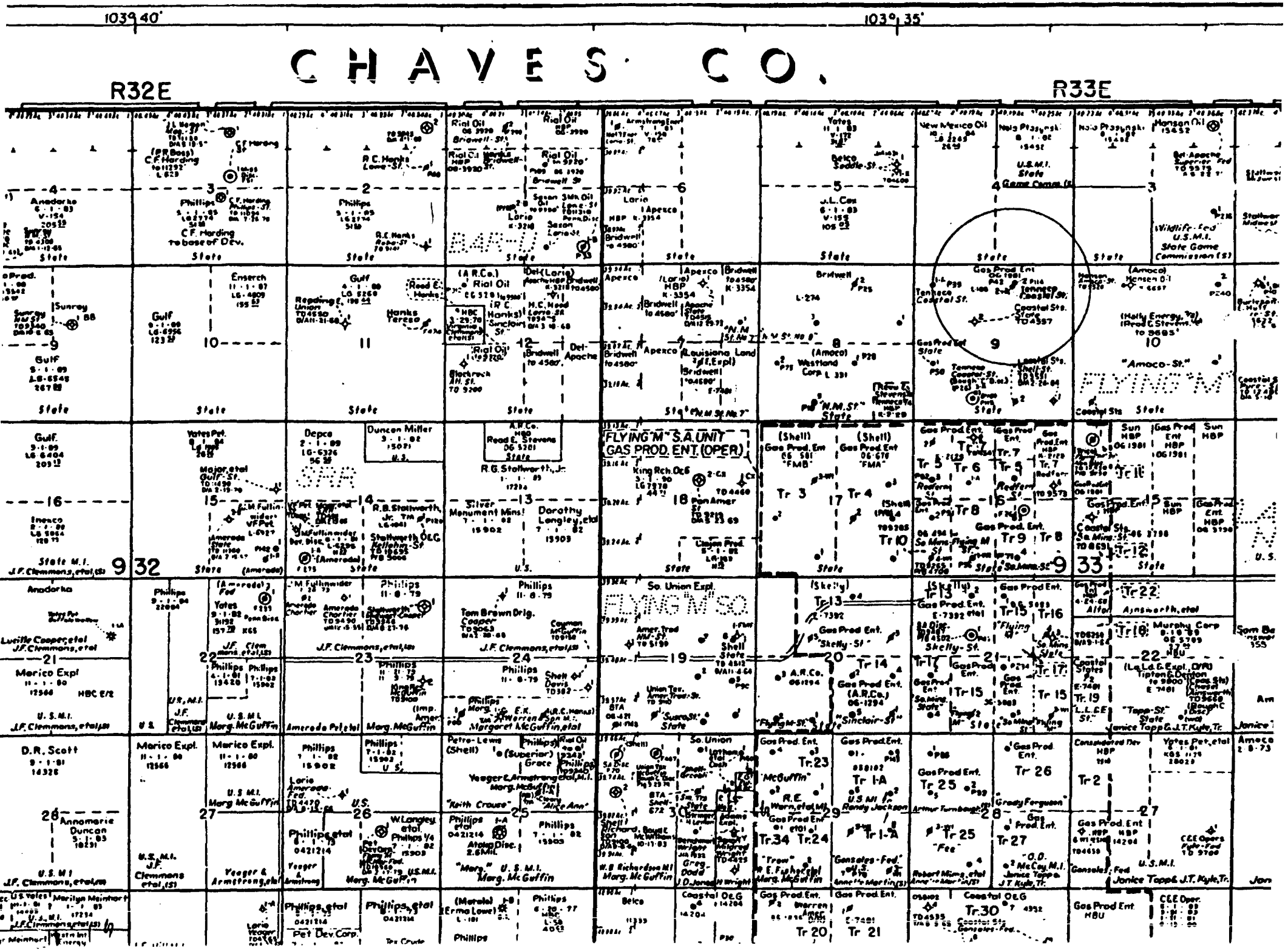
REMARKS :

12-9-70 opsd
IP 115 BOPD 6 BWPD, 36.8 MCF gas

1-22-71 PBTD 9423 shut in WIH w/ 4 3/4" bit
perf w/ 1 JSPF at 9349-9329, acidize w/ 3000 gal
15% HCl in 3-1000 gal stages 1 min. WOF. Benzoic acid

8-3-71 perf 4485, 95, 97 1/2, 4508, 13, 16 w/ 2 JSPF

8-4-71 PBTD 4634 acidize perfs 4485-4516 w/ 1500 gal
IP for upper perfs 17 1/2 BPH


103° 40'
103° 35'
CHAVES CO.
R32E
R33E
FLYING M S.A. UNIT
GAS PROD. ENT. (OPER)
FLYING M SO
Tr 1
Tr 2
Tr 3
Tr 4
Tr 5
Tr 6
Tr 7
Tr 8
Tr 9
Tr 10
Tr 11
Tr 12
Tr 13
Tr 14
Tr 15
Tr 16
Tr 17
Tr 18
Tr 19
Tr 20
Tr 21
Tr 22
Tr 23
Tr 24
Tr 25
Tr 26
Tr 27
Tr 30
Tr 34
Tr 1-A
9
32
33

OIL CONSERVATION DIVISION
DISTRICT I

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

DATE May 10, 1984

RE: Proposed MC
Proposed DHC
Proposed NSL
Proposed NSP
Proposed SWD X
Proposed WFX
Proposed PMX

Gentlemen:

I have examined the application for the:

Tenneco Oil Company	Coastal "A" State	No. 2-B	9-9-33
Operator	Lease and Well No.	Unit, S - T - R	

and my recommendations are as follows:

O.K.----J.S.

Yours very truly,

/mc