

DOYLE HARTMAN

Oil Operator

500 N. MAIN

P.O. BOX 10426

MIDLAND, TEXAS 79702

(915) 684-4011

December 8, 1989

DEFOE EXAMINER CATAUCH

Oil Conservation Division

Exhibit No. 22

Case No. 9994

TO: File

FROM: Mike Stewart

RE: Meeting with Conoco Hobbs
Dave Lindroos December 6, 1989

Buddy Davidson and myself traveled to Hobbs Wednesday, December 6, 1989 to meet with Dave Lindroos of Conoco. We met with Dave at 11:30 AM and went to lunch. Following lunch we returned to Dave's office and discussed the following:

We advised Dave of our intentions to stand behind our recent offers to Conoco and the NMFU on the Lockhart A-18, Lockhart A-30, Cooper 8 and Meyer B-9 dating back to August 22, 1989.

These offers totaled:

Meyer B-9	\$160,000
Lockhart A-18	280,000
Lockhart A-30	140,000
Cooper 8	<u>100,000</u>
	\$680,000

With this in mind we are declining Conoco's offer to sell the Conoco (NMFU) wells A and B-1 to us for an additional \$76,620 over our successful high bid of \$216,880 tendered to Conoco in the NMFU 4th Quarter bid package.

We communicated our concern of increasing our bid price on the Wells leases due to 1) our outstanding purchase proposal obligations to Conoco (NMFU), 2) the potential risk and water problems with the Wells lease enables us only to be able to offer our original bid of \$216,880, 3) due to the apparent negligent injection of water by Conoco's (NMFU) Langlie Jack Unit #12 (I-20-24S-37E) well into the dry gas Jalmat interval which was discovered in our drilling and completion of our Jack A-20 #11 (J-20-24S-37E) we are forced to drill another well on the 320 acre W/2 GPU purchased from Conoco.

I explained and left Dave three copies of a cross section showing the Jack A-20 #11 and the suspect Langlie Jack #12 injection well in relation to each other and also the Hartman drilled Late Thomas #2 and Liberty Royalties #6 wells. In addition to the cross section, I

December 8, 1989

Page 2

included three copies of the daily production plot on the Jack A-20 #11 showing the 200+ BWPD we were producing from dry gas Jalmat interval. I asked Dave to forward the information to their engineer in charge of the area so that he could help us determine where the water had come from so we could avoid a similar disaster in our proposed Jack A-20 #12.

Dave said he would do so. He also acknowledged our decision to decline increasing our successful bid on the Wells A and B-1 leases as he indicated a party out of Denver was interested in the property. Dave also said that they were still evaluating our purchase proposals on the Meyer B-9, Lockharts and Cooper 8.

A handwritten signature in black ink, appearing to be the initials 'MS' followed by a stylized flourish.

MS/lr

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE
(Other instructions on back
reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

LC-032326-A

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 ☐ GAS WELL ☒ OTHER

Nov 24 1 01 PM '89

2. NAME OF OPERATOR

Doyle Hartman

CARI

ARCH

3. ADDRESS OF OPERATOR

P. O. Box 10426, Midland, Texas 79702

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

2180' FSL & 1980' FEL Section 20 (J)

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jack "A-20"

9. WELL NO.

11

10. FIELD AND POOL, OR WILDCAT

Jalmat (Tansil-Yates-7R)

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

SURVEY OR AREA

Section 20, T-24-S,

R-37-E NMPM

14. PERMIT NO.

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

3265.5 GR

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 ACIDIZH

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

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 perti-
nent to this work.)

11-8-89 RU Clark Well Service. POOH w/rods and pump. Pulled tbg to 2944' RKB.

11-9-89 RU Halliburton. Frac well down 7" x 2-3/8" annulus with 50-50% blend of gelled water as follows: 65,000 gals 50 quality foam prepad and pad + 27,000 gals 50 quality foam carrying 57,000 #20/40 sand + 56,000 gals 50 quality foam carrying 198,000 #12/20 sand + 67,000 gals 50 quality foam carrying 261,000 #8/16 sand and flushed with 4350 gals 50 quality foam. (Total fluid 2611 gals gelled water + 2611 gals CO2 + 516,000 # sand). Average rate 40.5 BPM, average pressure 1771 psig, max. pressure 1910 psig, min. pressure 1610 psig. ISIP 1010 psig. 15 min. ISIP 850 psig. Clean up well by flowing to pit.

11-10-89 Lower tbg to 3284' RKB (sand fill found at 3392' RKB). Run 1-1/4" THD insert pump and 3/4" rod string. Placed well on test pumping 9 spm x 64" stroke.

11-11-89 Increase pumping unit speed to 13-1/4 spm. TOOH w/1-1/4" pump and rods. Run 1-1/2" pump and rods. Pumping well at 13-1/4 spm x 64" stroke x 1-1/2" pump. Tested well to tanks.

11-12 to 11-15-89 Well producing at average rate of 506 MCFPD and 165 barrels of water per day. Note it appears that the Jalmat dry gas interval has been watered out by uncontrolled offset water injection into the deeper Langlie Mattix pool previously held by the NMFU Group.

NOV 28 1989

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

SIGNED

TITLE

Engineer

DATE

11-21-89

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

CCMS

*See Instructions on Reverse Side

NOV 29 1989

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONTACT RECEIVED
OFFICE FOR FILING
OF COPIES REQUIRED

MIN Roswell District
Hollified Form No.
10060-3160-3

RECEIVED
Instructions on
reverse side

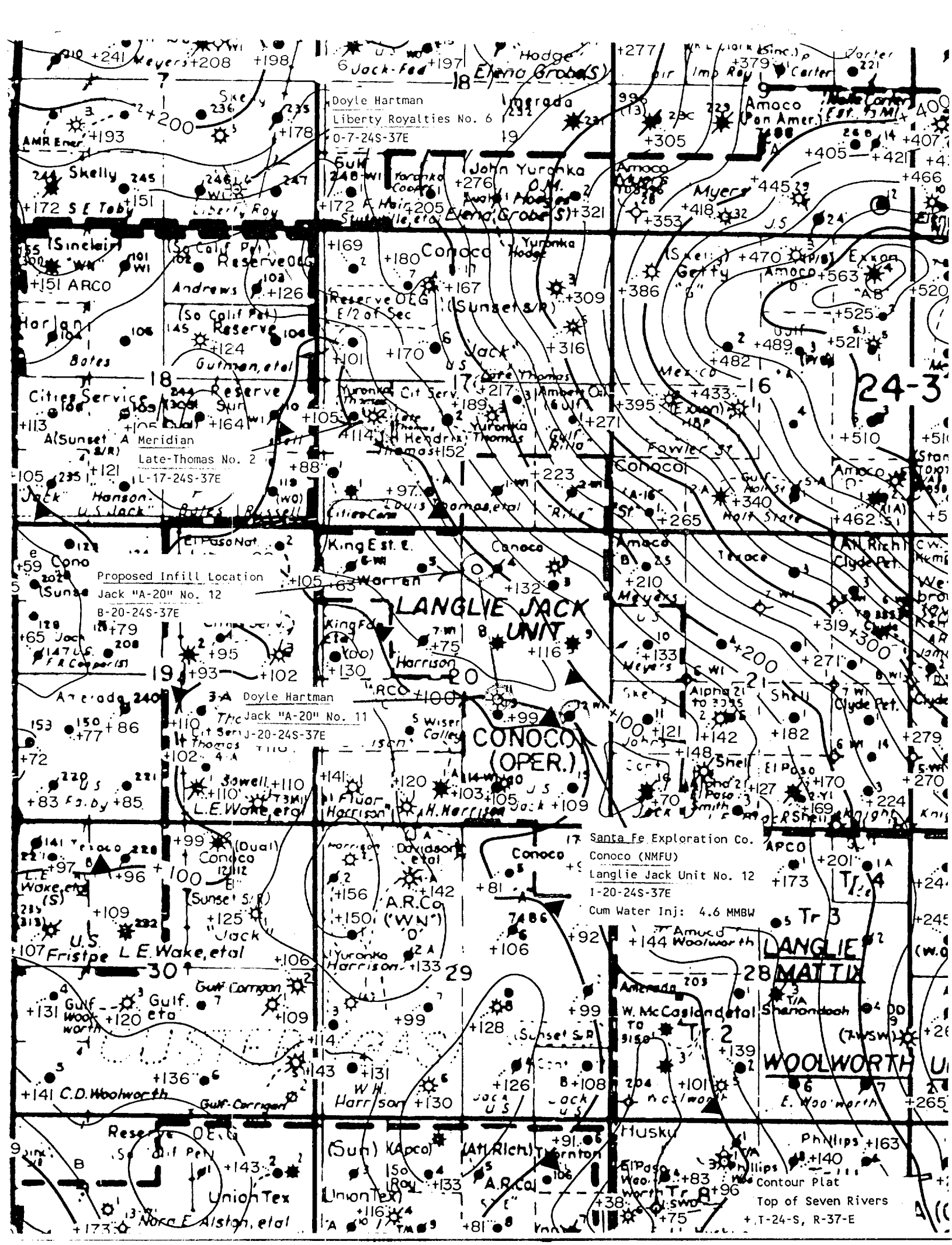
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐		2. NAME OF OPERATOR Doyle Hartman		3a. Area Code & Phone No. 915/684-4011	
1b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP EN ☐ PLUG BACK ☐ REPAIR ☐ Other ☐		3. ADDRESS OF OPERATOR P. O. Box 10426, Midland, Texas 79702		4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2180' FSL & 1980' FEL Section 20 At top prod. interval reported below At total depth Same	
5. LEASE DESIGNATION AND SERIAL NO. LC-032326-A		6. INDIAN, ALLOTTEE OR TRIBE NAME		7. UNIT AGREEMENT NAME	
8. FARM OR LEASE NAME Jack "A-20"		9. WELL NO. 11		10. FIELD AND POOL, OR WILDCAT Jalmat (Tansil-Yates-7R)	
11. SEC., T., R., S., OR BLOCK AND SURVEY OR AREA Section 20, T-24-S, R-37-E NMPM		12. COUNTY OR PARISH Jea		13. STATE NM	
14. PERMIT NO. 30-025-30703		DATE ISSUED 10-12-89		15. DATE SPUN 10-24-89	
16. DATE T.D. REACHED 10-31-89		17. DATE COME (Ready to prod.) 11-4-89		18. ELEVATION (OF RKB, RT, OR, ETC.)* 3265.5 GR	
19. TOTAL DEPTH, MD & TVD 3472' RKB		20. FLUID BACK T.D., MD & TVD 3450' RKB		21. IF MULTIPLE COMPLET., HOW MANY* 10-3472'	
22. PRODUCING INTERVAL(S), OF THIS COMPLETION TOP, BOTTOM, NAME (TID AND TVD)* Yates (2943'-3178')		23. WAS DIRECTIONAL SURVEY MADE No		24. WAS WELL CORED No	
25. TYPE ELECTRIC AND OTHER LOGS RUN SDL-DSN' MGL-DDL; RFT		26. CASING RECORD (Report all strings set in well) (See 10060-3160-3)		27. CEMENTING RECORD	
28. LINER RECORD		29. TUBING RECORD		30. AMOUNT FILLED	
31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		33. PRODUCTION	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented		35. LIST OF ATTACHMENTS		36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records	

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Rustler	1166	1260	Anhydrite			
Salado Salt	1260	2720	Salt & Anhydrite			
Tansil	2720	2893	Dolomite & Anhydrite (Gas)			
Yates	2893	3188	Dolomite & Sandstone (Gas)			
Seven Rivers	3188	3462	Dolomite & Sandstone (Gas)			



COMPANY Doyle Hartm

WELL Liberty Royalties No. 6

FIELD Jalmat (Ggs)

LOCATION 660 FSL & 1400 FEL (O)
Section 7, T-24-S, R-37-E

COUNTY Lea

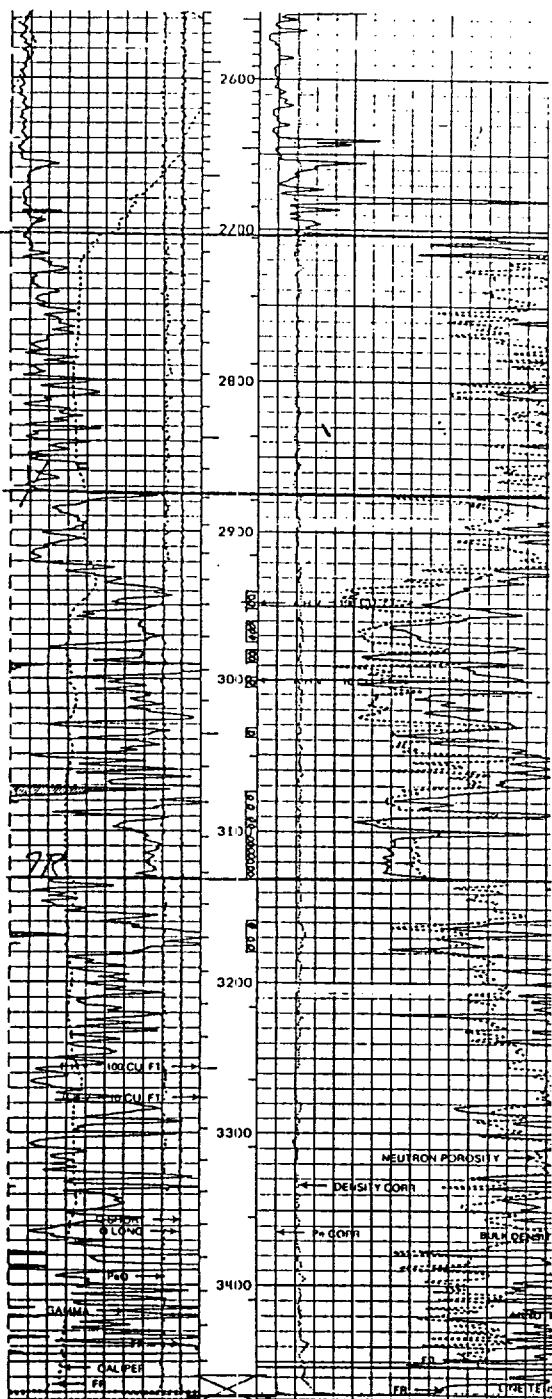
STATE New Mexico

ELEVATIONS:

KB 3321

DF

GL 3305



COMPLETION RECORD

SPUD DATE 8-19-89 COMP. DATE 8-29-89

TD 3486 PBTD 3459

CASING RECORD 9 5/8 @ 421 w/ 250
7 @ 3486 w/ 1100

PERFORATING RECORD Perf: 2944-3177
(Vates - 1st 7 Rivers)

STIMULATION A/6660

IP IPF = 181 MCFPD

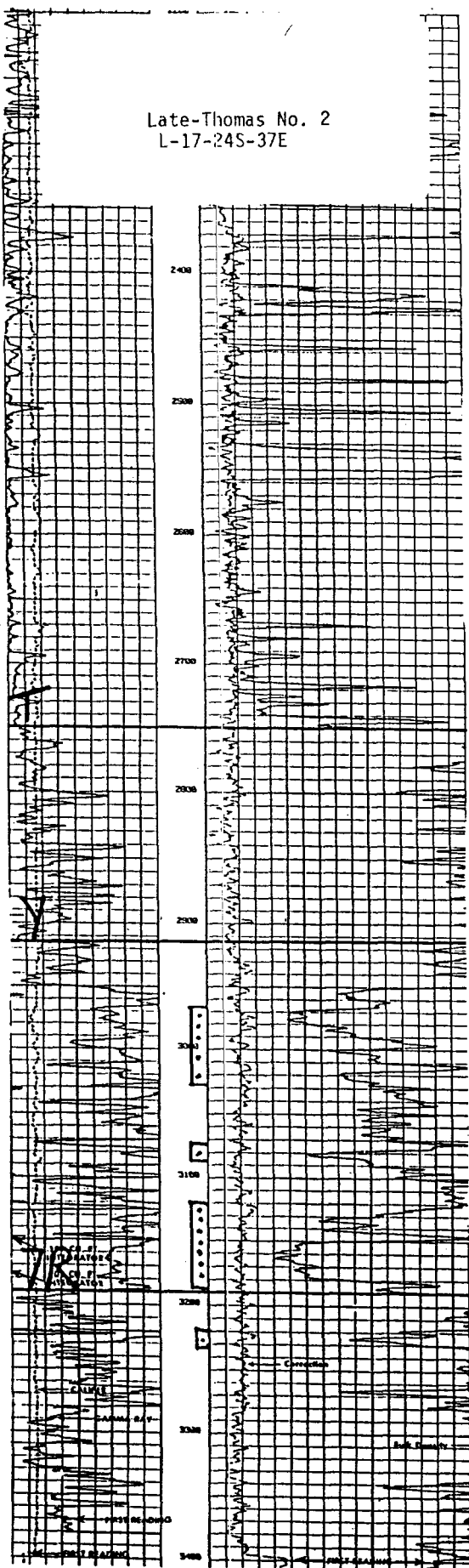
GOR GR

TP 29 SICP 151

CHOKE 64/64 TUBING @

REMARKS

Late-Thomas No. 2
L-17-24S-37E



COMPANY Meridian

WELL Late-Thomas No. 2

FIELD Jalmat (Gas)

LOCATION 1980 FSL & 990 FWL (L)
Section 17, T-24-S, R-37-E

COUNTY Lea

STATE NM

ELEVATIONS: KB _____
DF _____
GL 3282

COMPLETION RECORD

SPUD DATE 10-14-81 COMP. DATE 10-28-81

TD 3400 PBTD 3389

CASING RECORD 9 5/8 @ 425 w/225
7 @ 3400 w/450

PERFORATING RECORD 2957-3226 w/20

STIMULATION A/5500
SWF/72,000 + 175,000

IP IPF= 218 MCFPD

GOR _____ GR _____

TP _____ CP 130

CHOKE 18/64 TUBING 2 3/8 @ 3053

DST RECORD 8 1/2 x 64 x 1 1/2

REMARKS

COMPANY Conoco

WELL Jack "A" No. 7
(Langlie Jack Unit No. 4)

FIELD Langlie Mattix

LOCATION 680 FNL E 1980 FEL (B)
Sec 20, T. 24-S, R. 37-E

COUNTY Lca

STATE New Mexico

ELEVATIONS: KB 3300 Est.
DF _____
GL _____

COMPLETION RECORD

SPUD DATE 9-5-39 COMP. DATE 9-27-39

TD 3595 PBTD 3595

CASING RECORD 10 3/4 @ 404 w/ 22.5 SX
7 @ 3303 w/ 900 SX

PERFORATING RECORD OH: 3303 - 3595

STIMULATION Shot w/ 240 quarts
from 3500 - 3595

IP IPF = 552 BOPD (8hr test)

GOR _____ GR _____

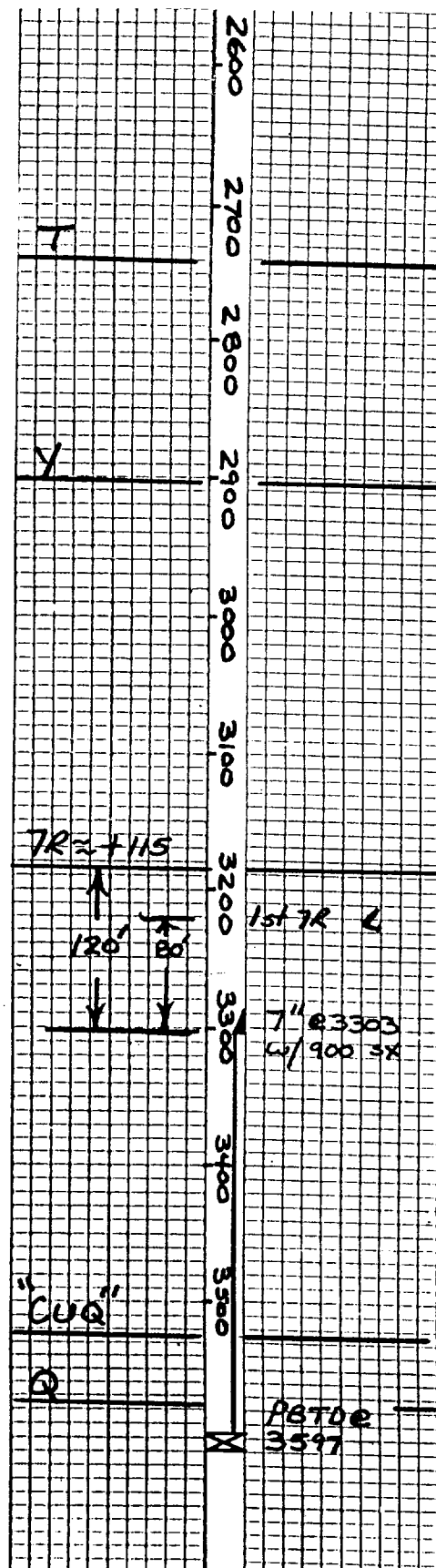
TP _____ CP _____

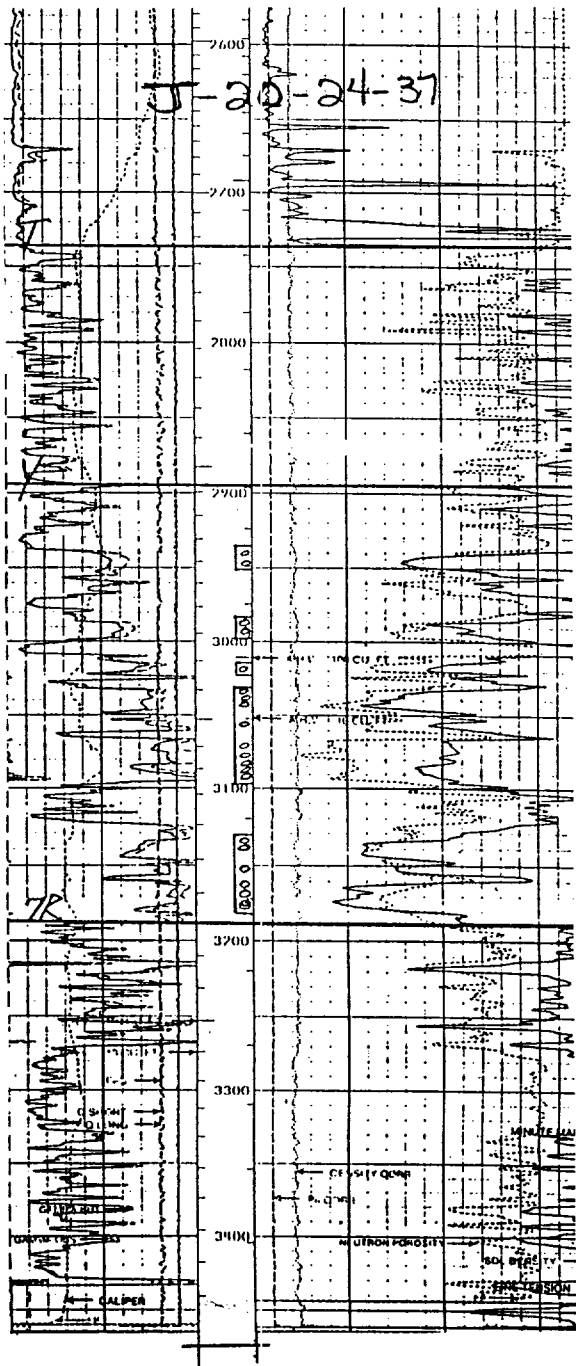
CHOKE _____ TUBING _____ @ _____

REMARKS

Converted to water
injection in Langlie
Jack unit waterflood.

Water Inj. Cum: 133 MBW





COMPANY Doyle Hartman

WELL Jack "A-20" No. 11

FIELD Jalmat (gas)

LOCATION 2180' FSL & 1980' FEL (J)
Section 20, T-24-S, R-37-E

COUNTY Lea

STATE New Mexico

ELEVATIONS:

KB 3281.5'

DF

GL 3265.5'

COMPLETION RECORD

SPUD DATE 10-24-89

COMP. DATE

TD 3472

PSTD

CASING RECORD 9 5/8 @ 467 w/350

7 @ 3469 w/630

PERFORATING RECORD Perf: 2943 - 3178

STIMULATION A/6500

SWF/238,000 + 516,000

IP

GOR

GR

TP

CP

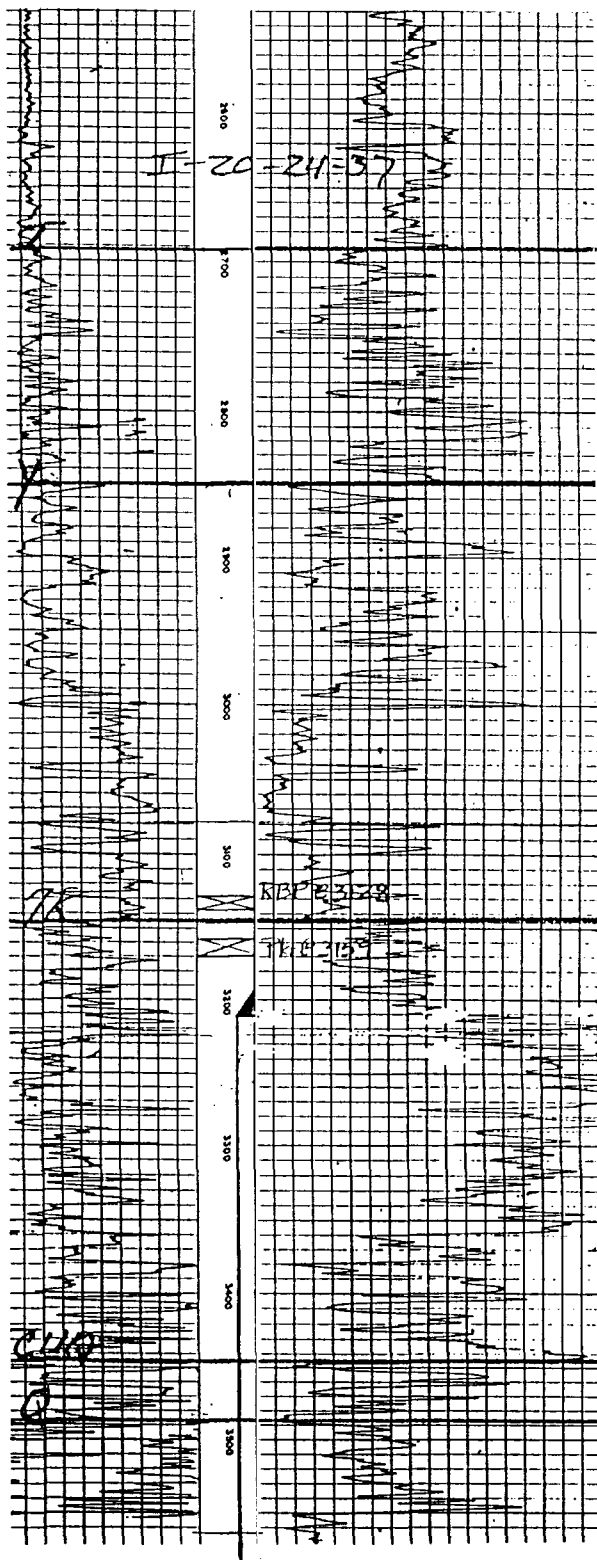
CHOKE

TUBING

@

REMARKS 11-13-89: Well test

499 MCFPD + 179 BWPD on a
38/64" Choke. FCP = 51 PSIG.



COMPANY Santa Fe Exploration Co.
 (formerly Conoco ENMFUJ)
 WELL Langlie Jack Unit No. 12
 (Jack A-20 No. 1)
 FIELD Langlie Matrix
 LOCATION 1980 FSL & 660 FEL (I)
Section 20, T-24-S, R-37-E
 COUNTY Lea
 STATE New Mexico
 ELEVATIONS: KB _____
 DF _____
 GL 3261

COMPLETION RECORD

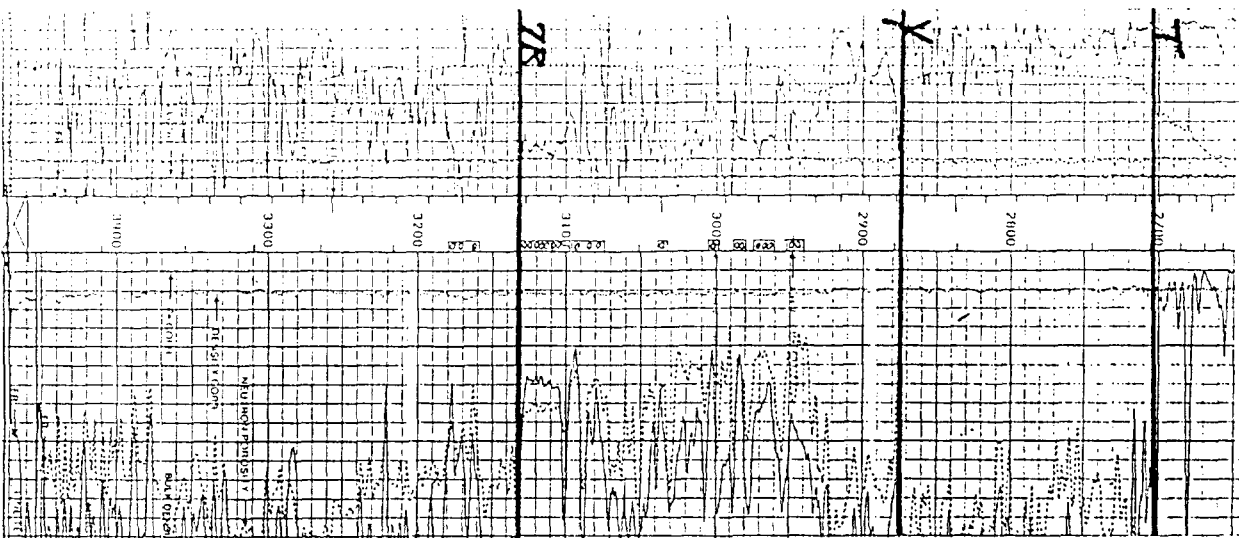
SPUD DATE 1-19-38 COMP. DATE 3-16-38
 TD 3585 PBTD _____
 CASING RECORD 10 3/4 @ 220 w/225
7 5/8 @ 1187 w/425
5 1/2 @ 3210 w/425
 PERFORATING RECORD OH: 3210-3585

 STIMULATION

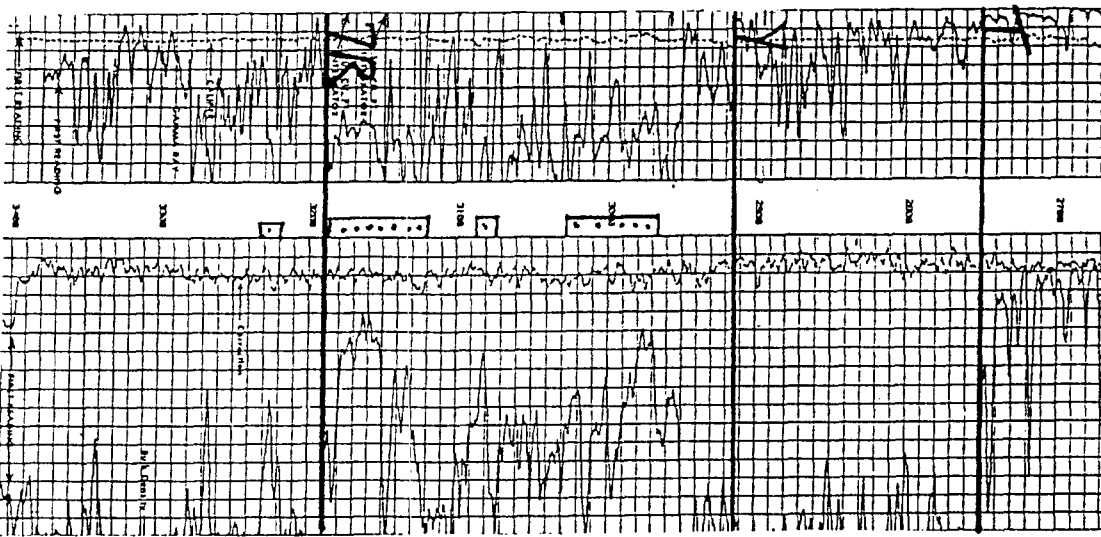
 IP IPF = 140 BOPD + 1140 MCFPD
 GOR _____ GR _____
 TP _____ CP _____
 CHOKE _____ TUBING _____ @ _____
 REMARKS 10-8-68: CO to 3585. Pkr @
3159. Converted to wtr injection.
9-20-85: RBP @ 3128. Shut in.
Last Inj: 6-84
Wtr Inj. Cum: 4,608 MBW

I-20-24-37

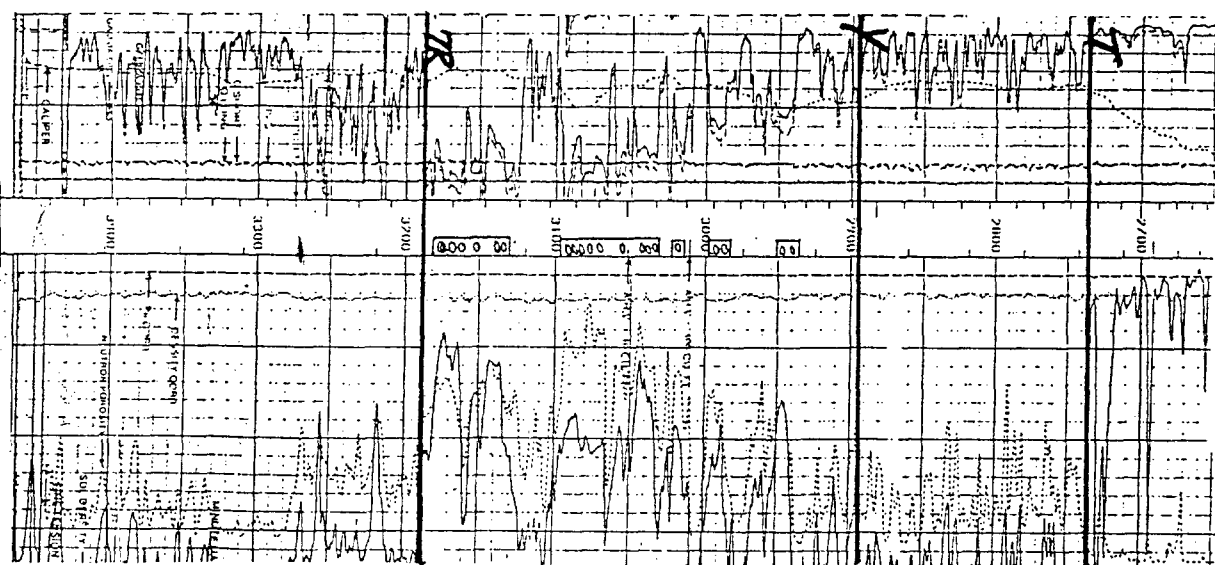
Doyle Hartman
Liberty Royalties No. 6
0-7-24S-37E



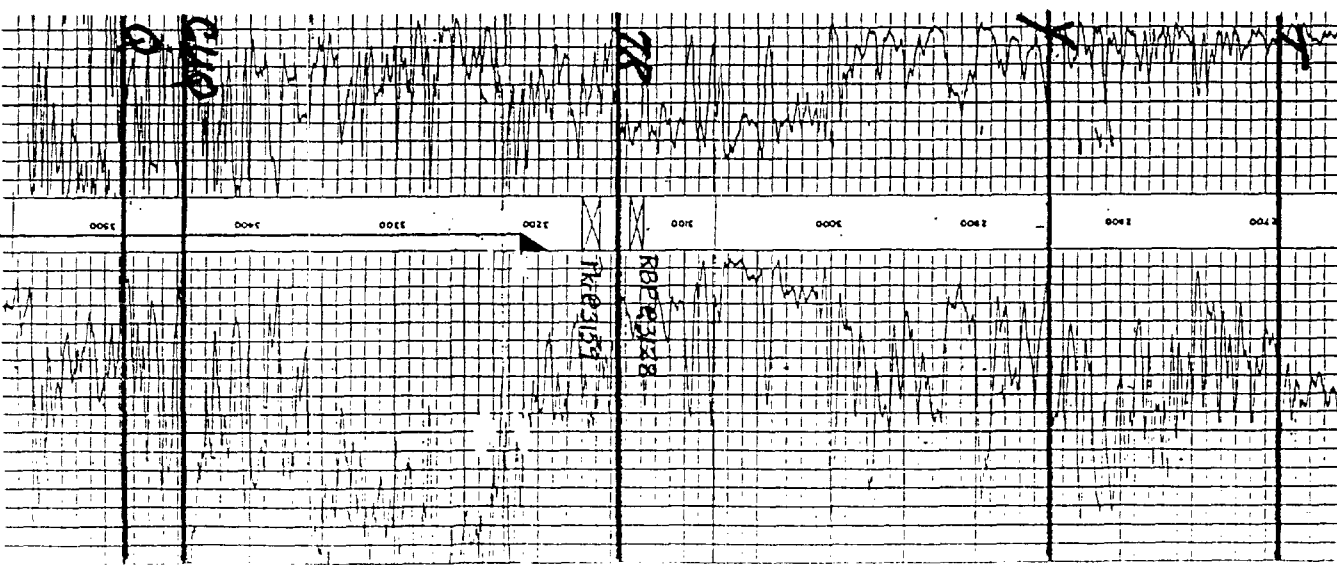
Meridian
Late-Thomas No. 2
L-17-24S-37E



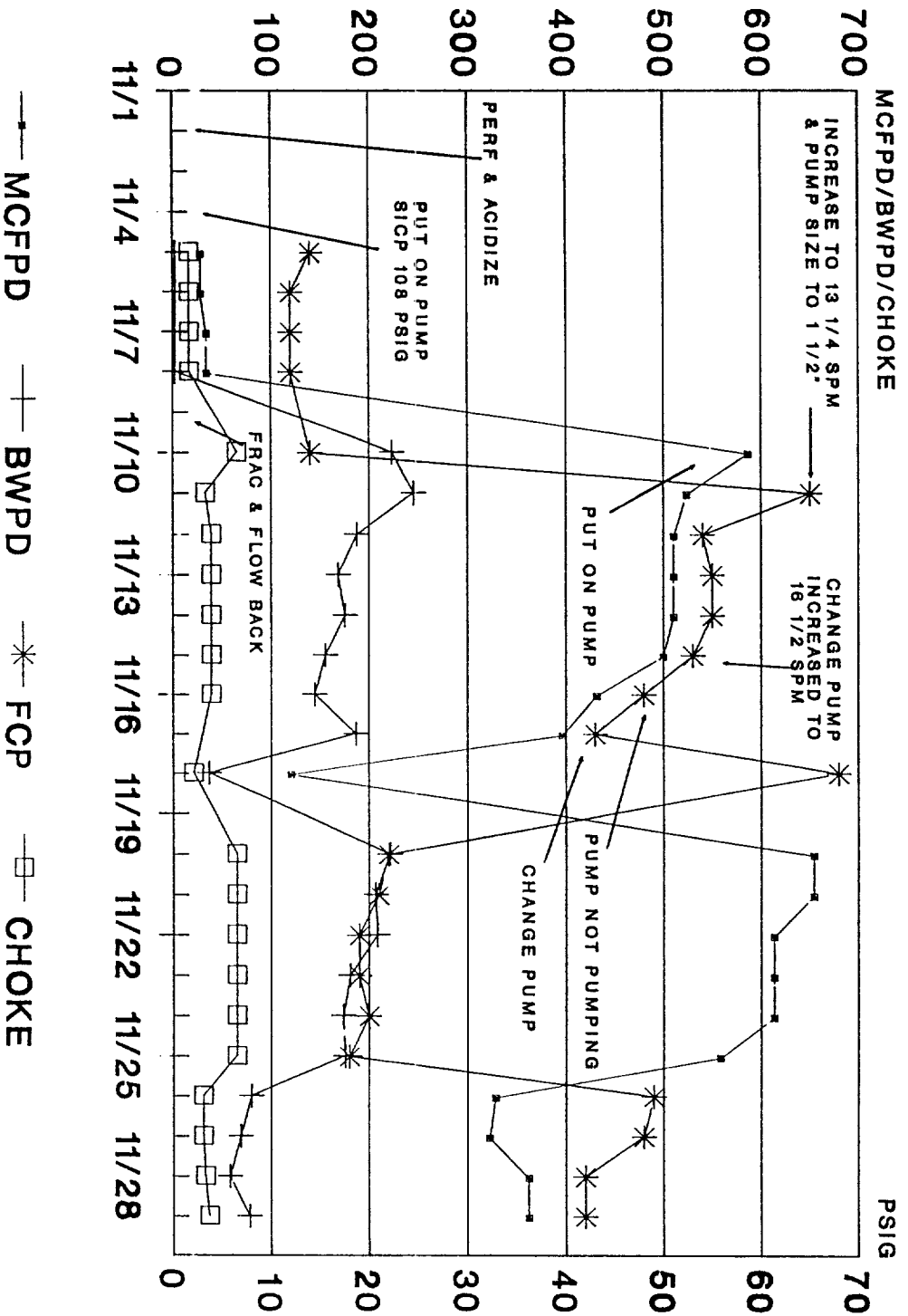
Doyle Hartman
Jack "A-20" No. 11
J-20-24S-37E



Santa Fe Exploration Co.
Conoco (NMFU)
Langlie Jack Unit No. 12
I-20-24S-37E
Cum Water Inj: 4.6 MMBW



JACK A-20 #11



100.0

1000.0

GAS (MCF)

10000.0

100000.0

Date: 06/14/88
Time: 10:20.58

PRODUCTION

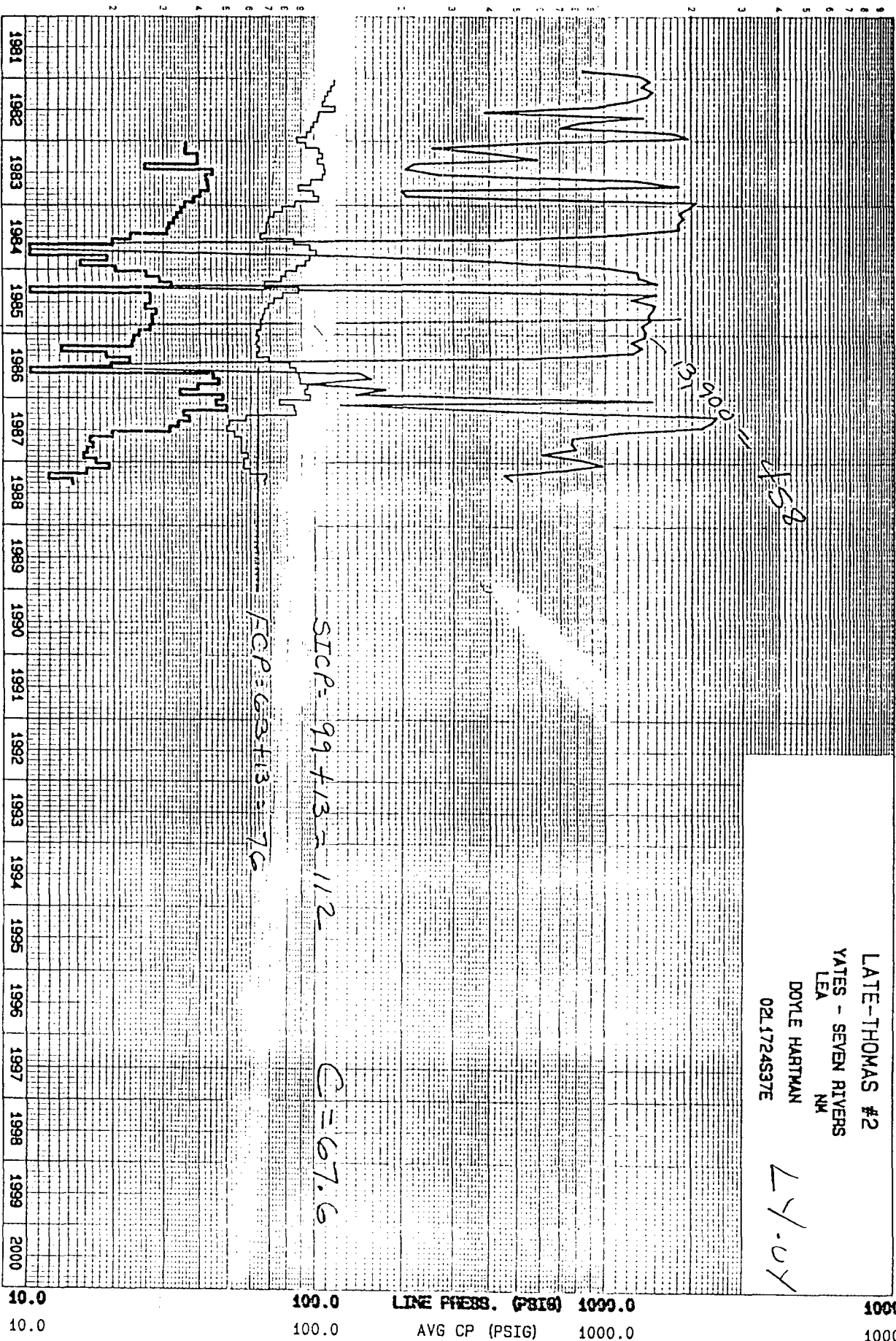
File: PZH1.DSF
Bat#: 19

LATE-THOMAS #2

YATES - SEVEN RIVERS
LEA NM

DOYLE HARTMAN
021724S37E

L-1-07



YEARS

DOYLE HARTMAN

Oil Operator

100.0

1000.0

GAS (MCF)

10000.0

100000.0

0.1

1.0

WATER (BBLS)

10.0

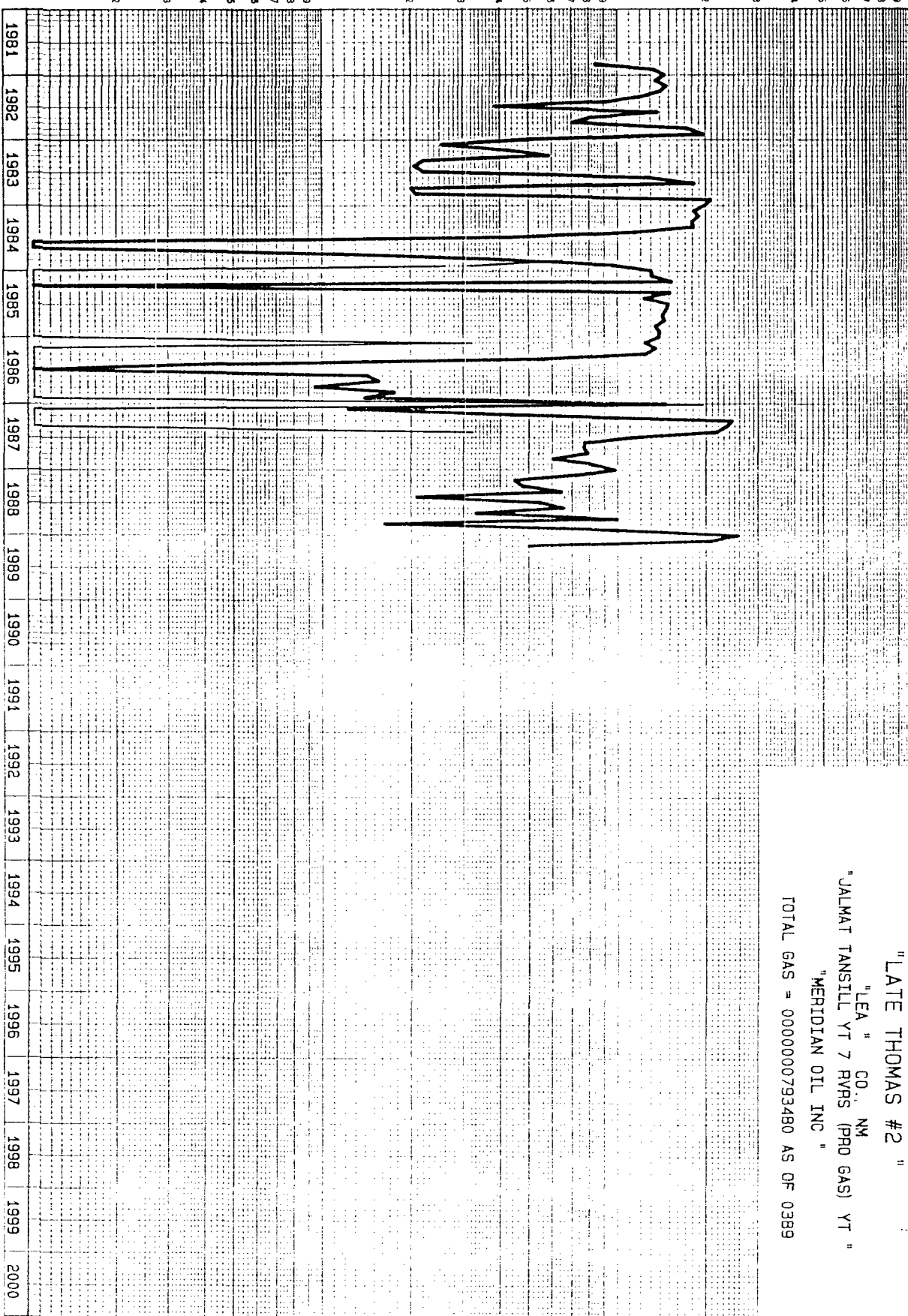
100.0

Date: 11/29/89
Time: 16.09.40

PRODUCTION

File: TOM2.DSF
Get#: 1

"LATE THOMAS #2"
"LEA" CO., NM
"JALMAT TANSILL YT 7 RYPS (PRO GAS) YT"
"MERIDIAN OIL INC"
TOTAL GAS = 000000793480 AS OF 0389



YEARS

DOYLE HARTMAN

Oil Operator