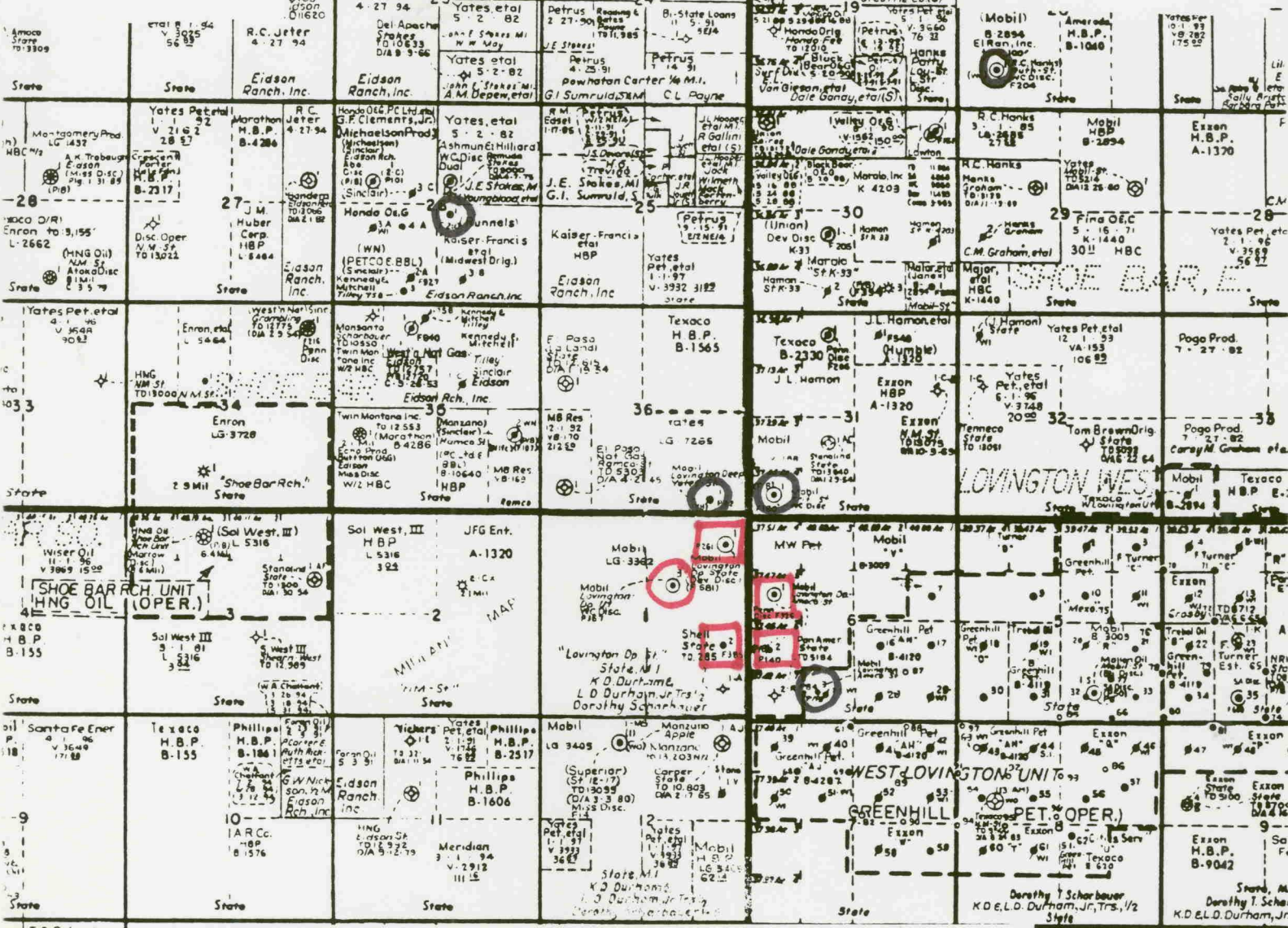


T-16-S
R-35-E

T-16-S
R-36-E



T-17-S
R-35-E

Exhibits 1 through 11

T-17-S
R-36-E

AREA MAP

○ Wolfcamp Producer

□ Upper Penn Producer

Subject wells in RED.

BEFORE THE
OIL CONSERVATION DIVISION
Santa Fe, New Mexico

Case No. 10727 Exhibit No. 1

Submitted by MOBIL

Hearing Date 5/6/93

BEFORE THE
OIL CONSERVATION DIVISION
Santa Fe, New Mexico

Case No. 10727 Exhibit No. 2

Submitted by MOBIL

Hearing Date 5/6/93

T-16-S

SECTION 36

SECTION 31

T-17-S

SECTION 21

SECTION 6

R-35-E

R-36-E

▲ WOLFCAMP

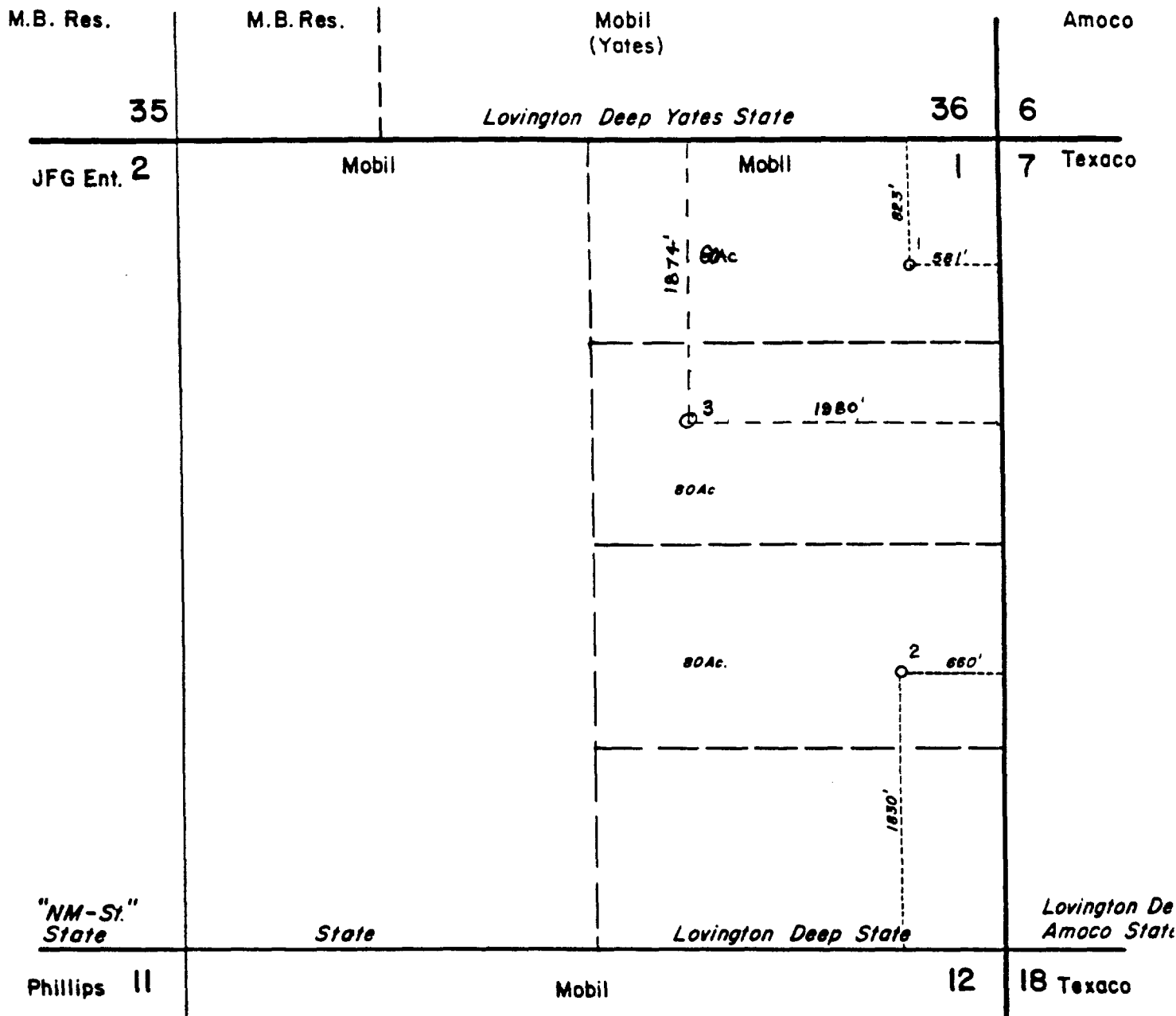
SOUTH SHOE BAR FIELD

▨ WOLFCAMP POOL

■ UPPER PENNSYLVANIAN

LEA COUNTY, NEW MEXICO

▨ UPPER PENNSYLVANIAN POOL



BEFORE THE
OIL CONSERVATION DIVISION
Santa Fe, New Mexico

Case No. 10727 Exhibit No. 3
Submitted by MOBIL
Hearing Date 5/6/93

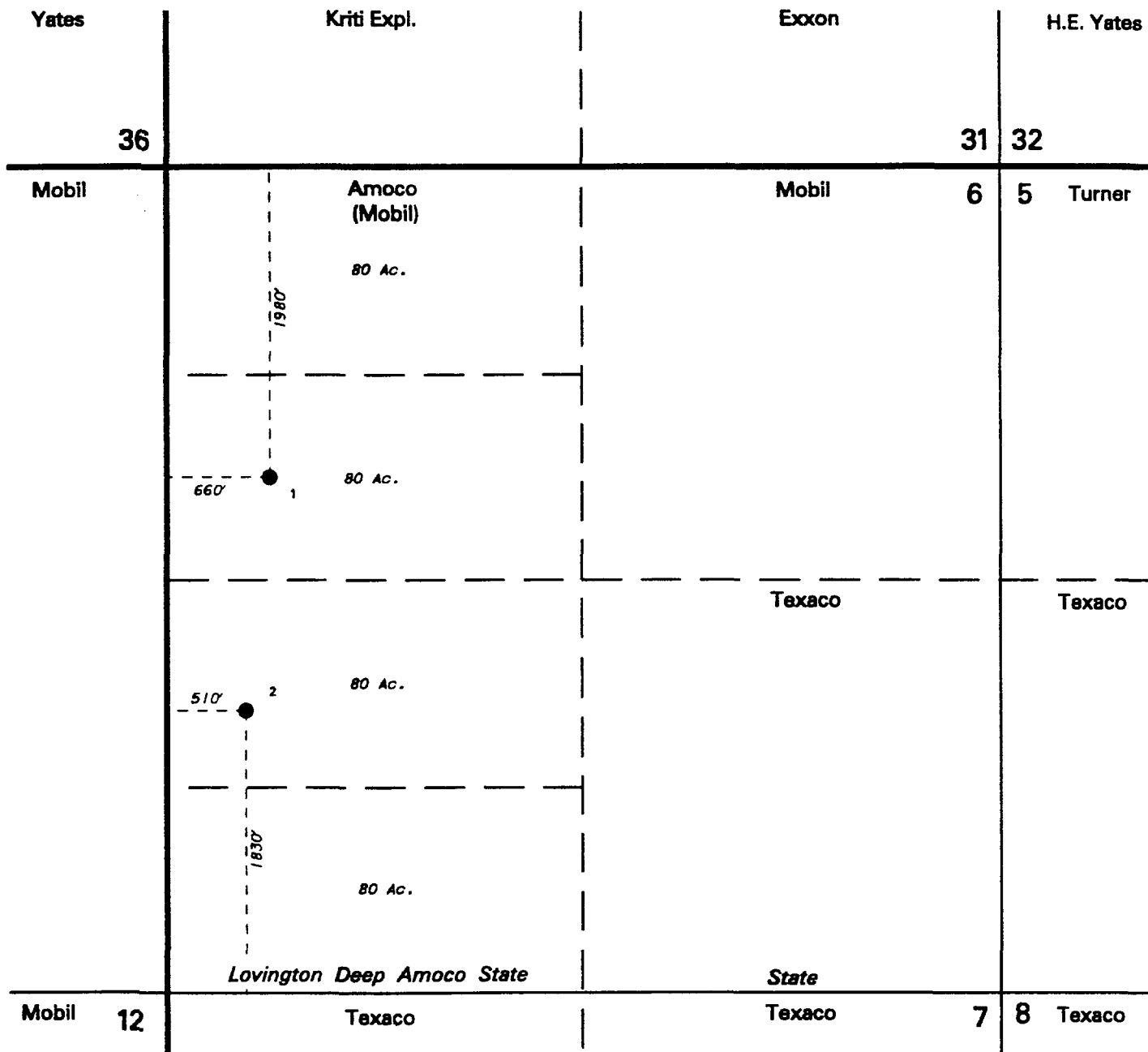
**Mobil Producing Texas & New Mexico In
Midland Division**

LEASE Lovington Deep State
WELL NO. _____ DATE _____ 19____
LEASE NO. _____
TOTAL ACRES IN LEASE 320 ACRES COVERED BY PLAT 320
DESCRIPTION E/2 of Section 1, T-17-S, R-35-E

6 miles SW from Lovington, NM
Lea County, New Mexico

DRAWN <u>A.R.H.</u>	DATE <u>02/06/88</u>	FIELD <u>South Shoebar</u>
SCALE <u>1"=1000'</u>	FILE NO. <u>26</u>	(Upper Penn)

THIS DRAWING AND ALL INFORMATION THEREON IS THE PROPERTY OF MOBIL PRODUCING TEXAS & NEW MEXICO INC. AND SHALL NOT BE COPIED OR USED EXCEPT FOR THE PURPOSE FOR WHICH IT IS EXPRESSLY FURNISHED. THE DRAWING AND ANY COPIES THEREON (PARTIAL OR COMPLETE) SHALL BE RETURNED TO THE OWNER ON DEMAND.



THE STATE OF TEXAS
COUNTY OF Midland

I hereby certify that this plat truly represents conditions as they actually exist on this lease; that said plat which is drawn to the scale indicated hereon, is to the best of my knowledge true and correct; that it accurately shows said lease with all wells on same; that number and location of said wells are as indicated hereon; and that this plat correctly reflects all pertinent and required data.

EXHIBIT 3 - PAGE 2

Mobil Exploration & Producing U.S. Inc. Midland

LEASE Lovington Deep Amoco State

WELL NO. _____ DATE _____ 19 _____

LEASE NO. _____

TOTAL ACRES IN LEASE 309.85 ACRES COVERED BY PLAT 309.85

DESCRIPTION West 2/4 of Section 6, T-17-S, R-36-E

8 Miles SW from Lovington, NM.

Lea County, New Mexico

DRAWN SD82140

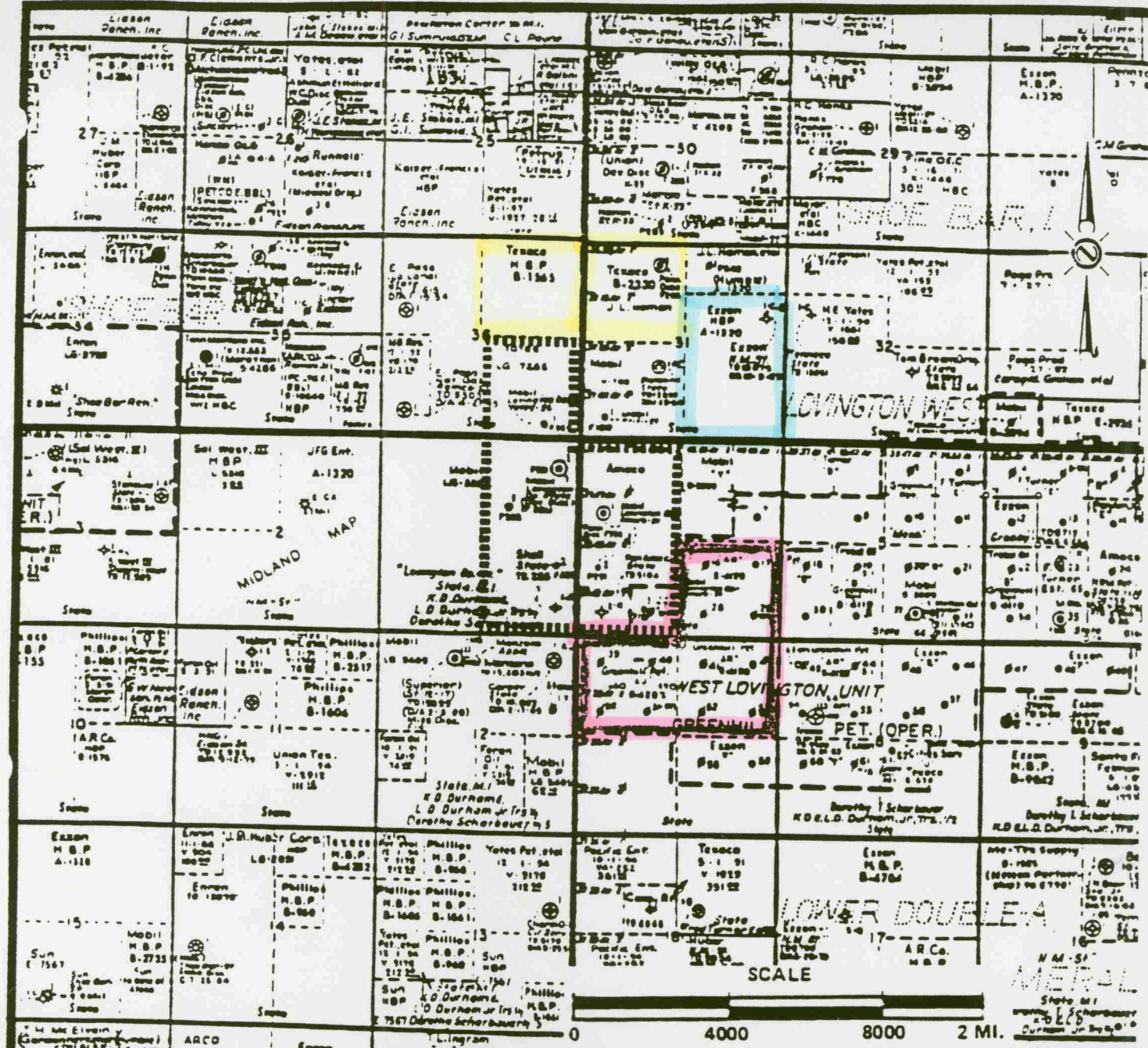
SCALE 1" = 1000'

DATE 8-2-91

FILE NO 29

FIELD South Shoe Bar-

Pennsylvanian



**Mobil Exploration & Producing U.S., Inc.
Midland Division**

OFFSET LEASE OWNERS (Other than Mobil)

Greenhill Petroleum Corp
3300 W. Esplanade Ave
Suite 500
Metairie, LA 70002-3459

Texaco U.S.A.
2 Greenspoint Plaza
Suite 600
16827 Northchase Blvd
Houston, TX 77060-6086

EXXON CO U.S.A.
P.O. Box 1600
MIDLAND, TX 79702-1600

[Signature]
X2082

**BEFORE THE
OIL CONSERVATION DIVISION
Santa Fe, New Mexico**

Case No. 10727 Exhibit No. 4

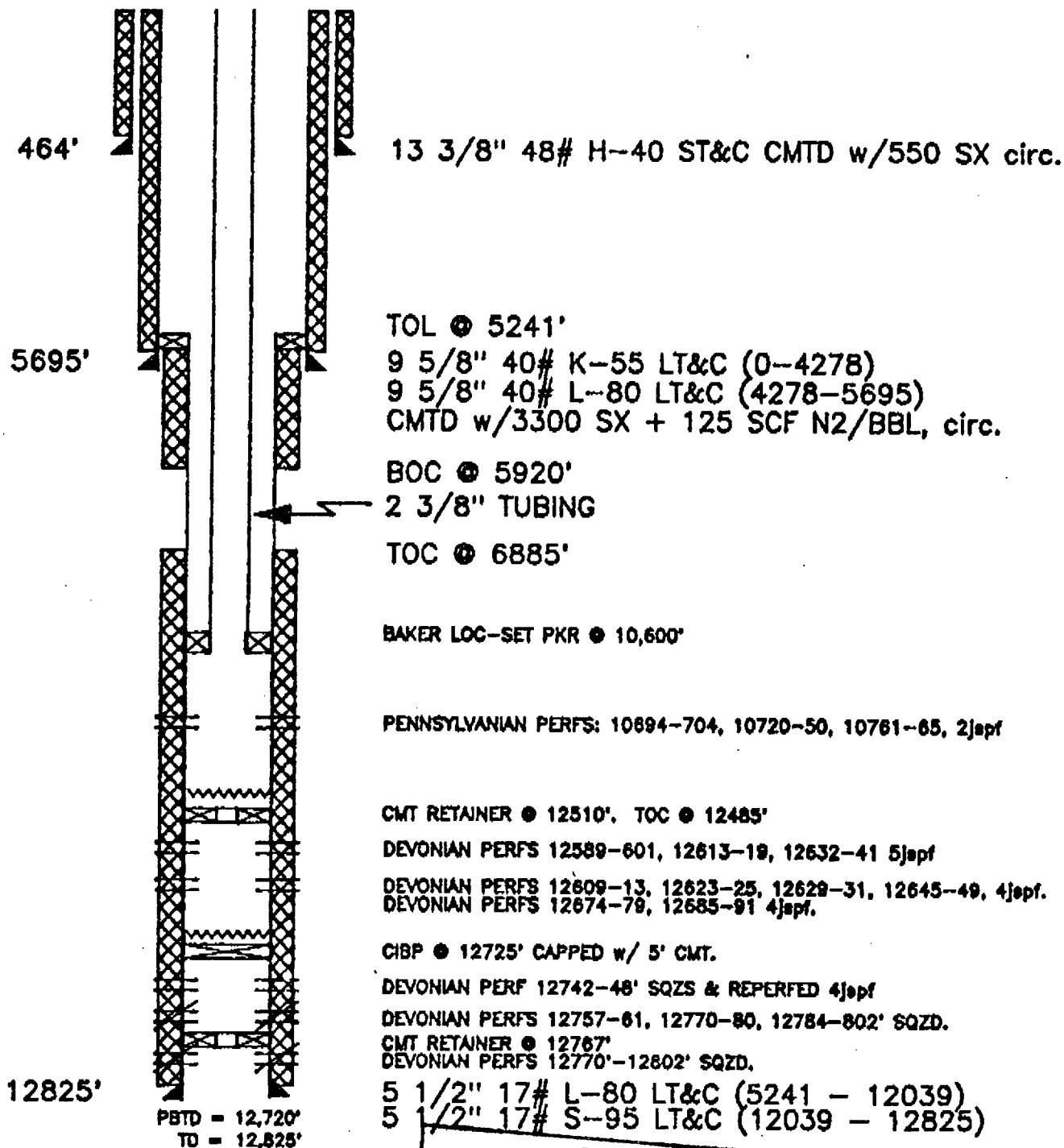
Submitted by MOBIL

Hearing Date 5/6/93

LOVINGTON DEEP STATE #1
SOUTH SHOE BAR/ PENNSYLVANIAN
LEA COUNTY, NEW MEXICO

GL = 3932'
DF = N.A.
KB = 3952'
623'FNL - 581'FEL
A - SECTION 1
T17S - R35E

PROPOSED WELLBORE SKETCH



W. P. GOSSETT

BEFORE THE
OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Case No. 10727 Exhibit No. 5
Submitted by MOBIL
Hearing Date 5/6/93

10/03/88

MPTM LOVINGTON DEEP #2
SOUTH HOEBAR (PENN) F. D
LEA COUNTY, NM

466'

13-3/8" 48# H40 ST&C CSG
 CMTD W/500 SX CLASS "C"

4815'

BOT MOD. TYPE 'C' LNR HGR W/7.33' TBS

5200'

8-5/8" 32# K55 LT&C CSG
 CMTD W/3040 SX "H" + POZ + SILICALITE (LEAD)
 250 SX "H" NEAT

PENN PERFS - 4JSPF - 145 HOLES

10,814'-10,818' (17 HOLES)
 10,824'-10,838' (57 ")
 10,843'-10,847' (17 ")
 10,853'-10,862' (37 ")
 10,870'-10,874' (17 ")

EXHIBIT 5 - PAGE 2

PBTD 10,930'
 (FS)TD 10,955'

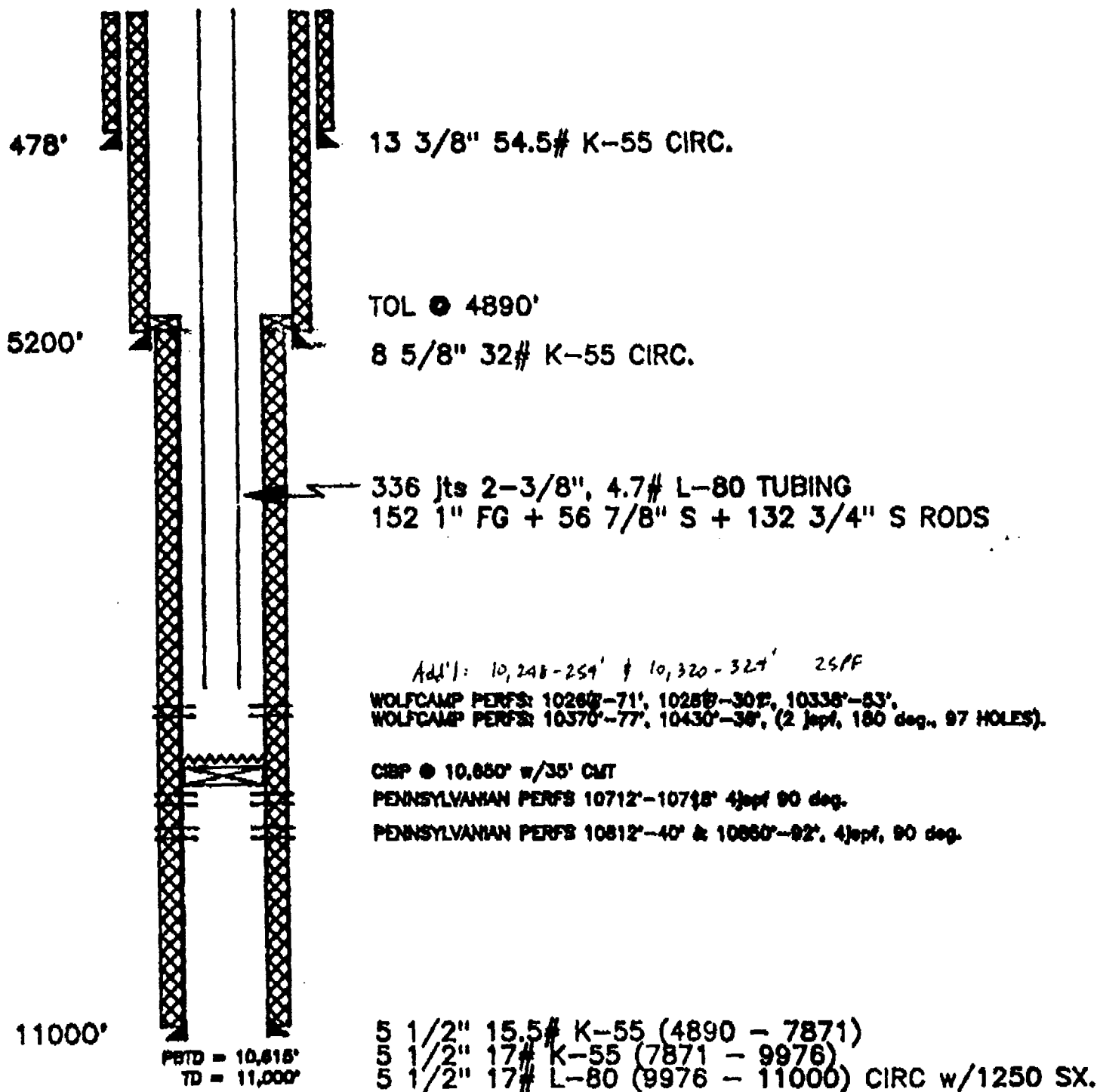
15.5# K55 LT&C CSG (4815'-7730')
 5-1/2 17# K55 LT&C CSG (7730'-9835')
 L80 LT&C CSG (9835'-10,955')

CMTD W/1200 SX "H" + POZ + SIL. LITE + 0.1% HR7 (LEAD)

LOVINGTON DEEP STATE #3
SOUTH SHOE BAR / WOLFCAMP
LEA COUNTY, NEW MEXICO

GL = 3931'
DF = N.A.
KB = 3948'
1874'FNL - 1980'FEL
G - SECTION 1
T17S - R35E

PROPOSED WELLBORE SKETCH

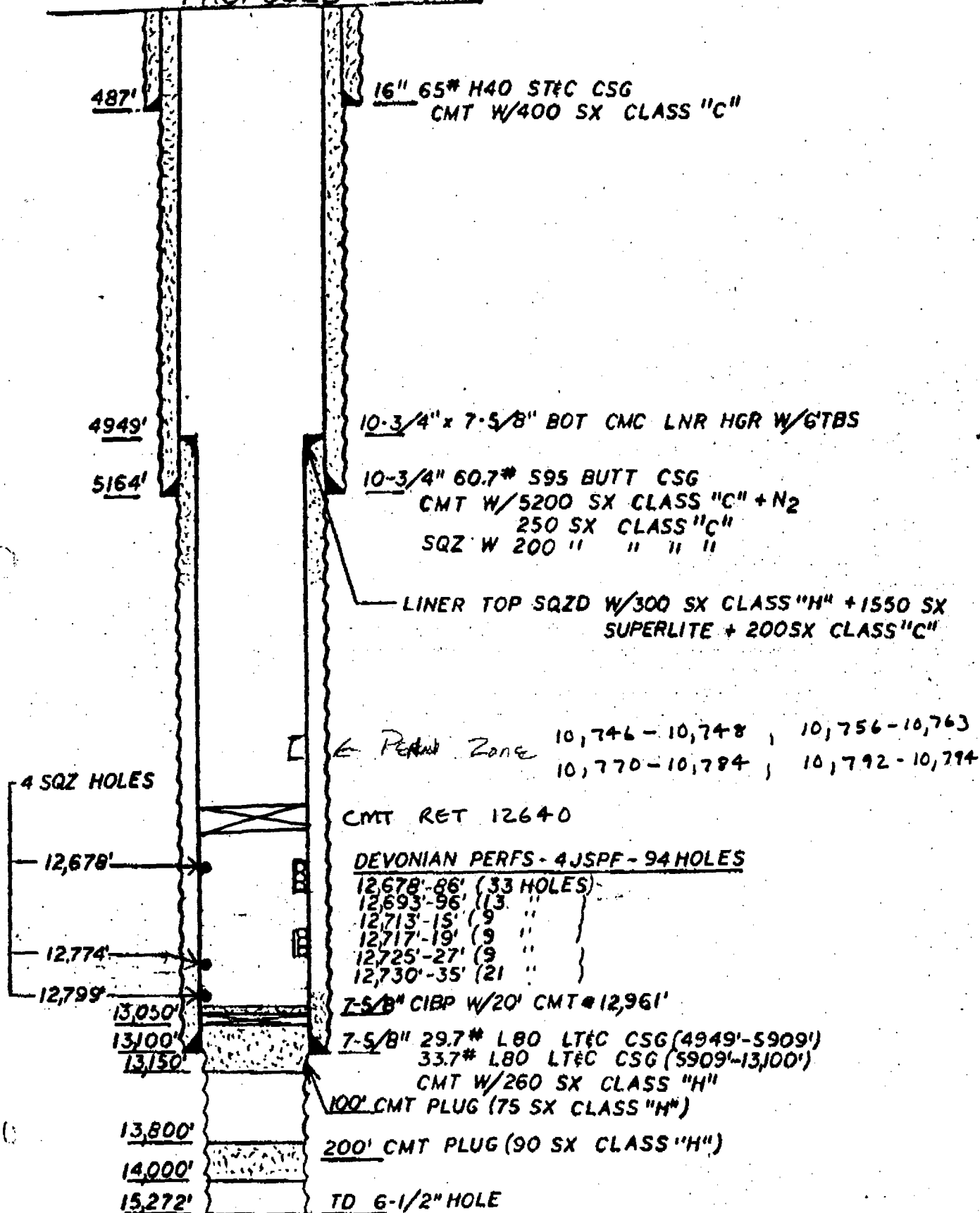


W. P. GOSSETT

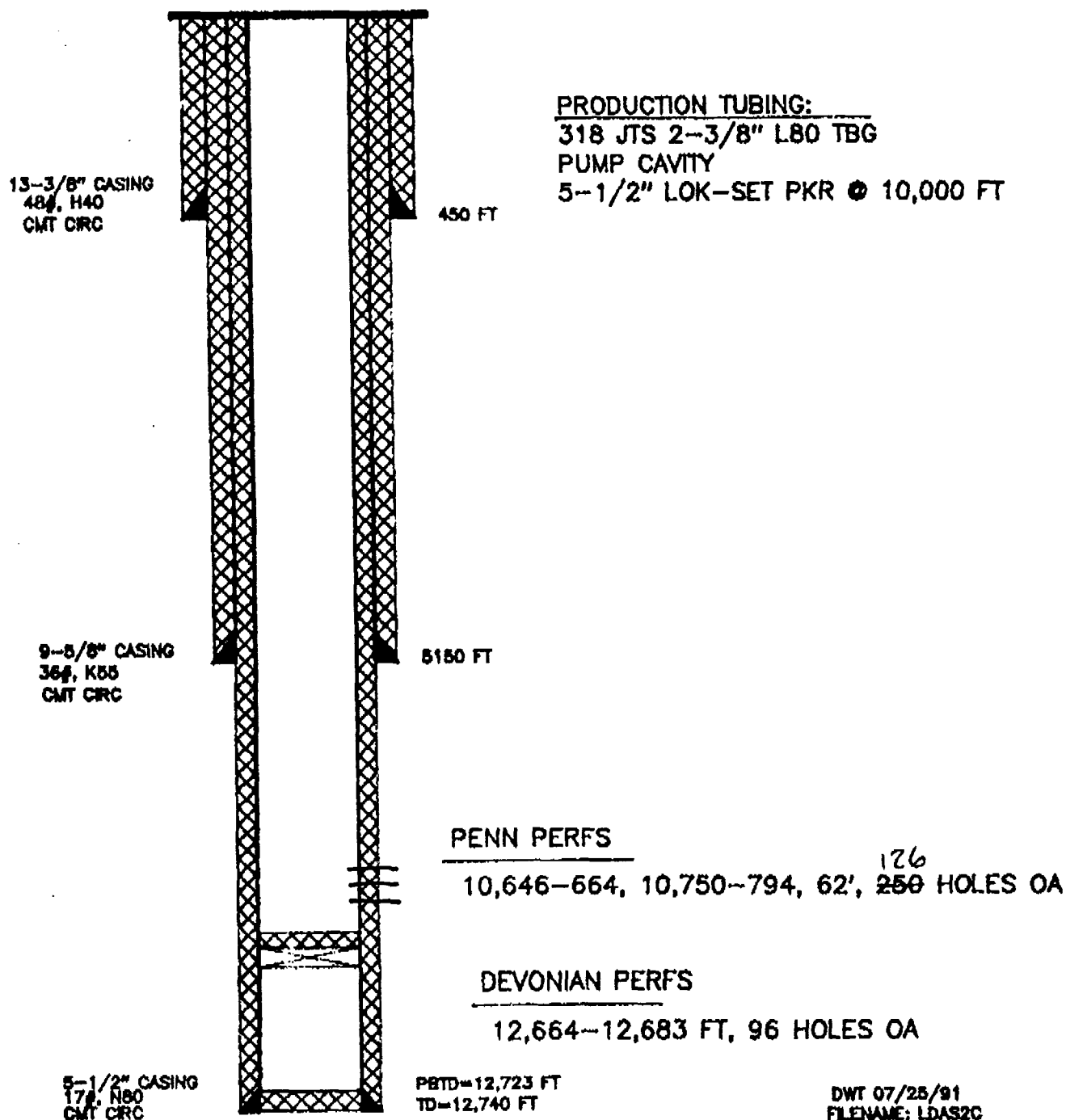
01/20/99

LOVINGTON DEEP AMOCO STATE #1
SOUTH SHOE BAR (DEVONIAN) FIELD
LEA COUNTY, NM

PROPOSED



LOVINGTON DEEP AMOCO STATE
WELL NO. 2
SOUTH SHOE BAR (PENN) FIELD
PROPOSED COMPLETION



**BEFORE THE
OIL CONSERVATION DIVISION
Santa Fe, New Mexico**

Form C-105
Revised 1-1-89

Case No. 10727 Exhibit No. 6
Submitted by MOBIL
Hearing Date 5/6/93

WELL API NO. 30-025-29546
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. LG 3362

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐		7. Lease Name or Unit Agreement Name Lovington Deep State	
b. Type of Completion: NEW WELL ☐ WORK OVER ☐ CLEAN ☐ PLUG BACK ☐ DEEP REPAIR ☐ OTHER ☐		8. Well No. 1	
2. Name of Operator Mobil Producing TX & NM Inc.		9. Pool name or Wildcat Upper Penn. Pool, South Sho	
3. Address of Operator % Mobil Exploration & Producing US Inc. P.O. Box 633, Midland, TX 79702			
4. Well Location Unit Letter <u>A</u> : <u>823</u> Feet From The <u>North</u> Line and <u>581</u> Feet From The <u>East</u> Line Section <u>1</u> Township <u>17S</u> Range <u>35E</u> NMPM Lea County			
10. Date Spudded 08-19-87	11. Date T.D. Reached 09-28-87	12. Date Compl. (Ready to Prod.) 04-28-89	13. Elevations (DF & RKB, RT, GR, etc.) KB 3950
14. Elev. Casinghead 3934			
15. Total Depth 10930	16. Plug Back T.D. 10920	17. If Multiple Compl. How Many Zones? x	18. Intervals Drilled By Rotary Tools Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name 10694-10704; 10720-750; 10761-765			20. Was Directional Survey Made No
21. Type Electric and Other Logs Run			22. Was Well Cased No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8	48	451	17-1/2	450 sx	(Original)
9-5/8	36	5150	12-1/4	2600 sx	casing undisturbed
5-1/2 (liner) 17		12685	8-3/4	4050 sx	

24. LINER RECORD				25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2-3/8	10370

26. Perforation record (interval, size, and number) Perf Penn w/2jspf @ 10694-10704; 10720-750; 10761-765	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	10694-10765	Acidz w/2800 gals HCL Acid + 125 RCNRS

28. PRODUCTION							
Date First Production 04-29-89		Production Method (Flowing, gas lift, pumping - Size and type pump) P - 2 x 1-1/4 x 30 x 34 Nat'l				Well Status (Prod. or Shut-in) Prod.	
Date of Test 04-30-89	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl. 261	Gas - MCF 416MCF/D	Water - Bbl. 49	Gas - Oil Ratio 1594
Flow Tubing Press. 150	Casing Pressure 0	Calculated 24-Hour Rate	Oil - Bbl. 261	Gas - MCF 416	Water - Bbl. 49	Oil Gravity - API - (Corr.) 43.8	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold	Test Witnessed By D.R. Seale
--	---------------------------------

30. List Attachments

31. 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	
Signature <u>Kaye Pollock</u>	Printed Name <u>Kaye Pollock for Shirley Todd</u> Date <u>06-09-89</u> AS AGENT FOR MOBIL PRODUCING TX & NM INC.

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-025-29546
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. LG 3362

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. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER ☐	7. Lease Name or Unit Agreement Name Lovington Deep State
2. Name of Operator Mobil Producing TX & NM, Inc.	8. Well No. 1
3. Address of Operator % Mobil Exploration & Producing US Inc. P.O. Box 633, Midland, TX 79702	9. Pool name or Wildcat Upper Penn. Pool South Shore B.
4. Well Location Unit Letter <u>A</u> : <u>823</u> Feet From The <u>North</u> Line and <u>581</u> Feet From The <u>East</u> Line Section <u>1</u> Township <u>17S</u> Range <u>35E</u> NMPM Lea County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) KB 3950	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
JLL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

12. 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.

04-24-89 MIRU X-Pert Rig #5
POH w/154 1" rods & 138 3/4" rods
POOH 2-3/8 349 jts
04-25-89 POOH + 4000' 2-3/8 tub w/5-1/2 packer
MIRU Wedge WL
RIH w/5-1/2 CIBP @ 11400 w/35' cement
RIH w/5-1/2 CIBP @ 10950 w/35' cement
04-27-89 RU: RIH 3/4" rods
04-26-89 Swabbed
04-28-89 RIH w/pump. Press test 500#/ok. RD & Rel X-Pert DD PU

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

SIGNATURE Kaye Pollock TITLE MOBIL EXPLORATION & PRODUCING U.S. INC.
AS AGENT FOR MOBIL PRODUCING TX & NM INC DATE 06-09-89
TYPE OR PRINT NAME Kaye Pollock for Shirley Todd TELEPHONE NO. 915-688-258

This space for State Use) ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR

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

JUN 16 1989

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

Form C-105
Revised 10-1-78

OIL CONSERVATION DIVISION

P. O. BOX 2038
SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease	
State ☒	Fe
5. State Oil & Gas Lease No.	
LG-3362	

1a. TYPE OF WELL		7. Unit Agreement Name	
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐			
b. TYPE OF COMPLETION		8. Farm or Lease Name	
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐		Lovington Deep S	
2. Name of Operator		9. Well No.	
Mobil Producing TX & NM Inc.		2	
3. Address of Operator		10. Field and Pool, or Wildcat	
9 Greenway Plaza, Suite 2700, Houston, TX 77046		Undesignated Upper	
4. Location of Well		11. County	
UNIT LETTER <u>I</u> LOCATED <u>660</u> FEET FROM THE <u>East</u> LINE AND <u>1830</u> FEET FROM THE <u>South</u> LINE OF SEC. <u>1</u> TWP. <u>17-S</u> RGE. <u>35-E</u> NMMN		Lea	
15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (Lif, HKB, RT, GR, etc.)
10-5-87	11-9-87	11-25-87	KB - 3945
19. Elev. Casinghead	3929		
20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By
10957	10930		Rotary Tools Cable Tools
24. Producing Interval(s), of this completion - Top, Bottom, Name			25. Was Directional Made
10814-10874 Penn			No
26. Type Electric and Other Logs Run			27. Was Well Cored
			No

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	MOLE SIZE	CEMENTING RECORD	AMOUNT PUL
13 3/8	48#	466	17 1/2	500 sx C1-C	Circ 50 s
8 5/8	32#	5200	12 1/4	3040 sx C1-H + 250	Circ 690 s
				sx C Neat	

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
5 1/2	4815	10957	1475 sx C1-H		2 3/8	10696

31. Perforation Record (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USE

Perf W/4 JSPF @ 10814-818, 10824-838, 10843-847, 10853-862, 10870-874 (145 holes)

33. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
11-25-87		Flowing				Producing	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
11-27-87	24	20/64		385	469	0	1218
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr)	
380	0		385	469	0	44.5 @ 60°	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)	Test Witnessed By
Sold	D. R. Seale

35. List of Attachments	EXHIBIT 6 - PAGE 3
C-104, Logs, Inclination Report	

36. I hereby certify that the information shown on both sides of this form	Mobil Exploration & Producing U.S. Inc. as Agent for Mobil Producing TX & NM Inc.
SIGNED <i>Nancy Lewis</i>	17 P-87

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

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

Form C-103
Revised 10-1-78

5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.
LG-3362

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-	7. Unit Agreement Name
2. Name of Operator Mobil Producing TX & NM Inc.	8. Farm or Lease Name Lovington Deep State
3. Address of Operator 9 Greenway Plaza, Suite 2700, Houston, TX 77046	9. Well No. 2
4. Location of Well UNIT LETTER <u>I</u> <u>660</u> FEET FROM THE <u>East</u> LINE AND <u>1830</u> FEET FROM THE <u>South</u> LINE, SECTION <u>1</u> TOWNSHIP <u>17-S</u> RANGE <u>35-E</u> NMPM.	10. Field and Pool, or Wildcat Undesignated Upper Penn
15. Elevation (Show whether DF, RT, GR, etc.) GL-3929	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 ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPER. ☒	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOBS ☐	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 1703.

10-4-87 MIRU Landis Drlg Rig #5.
10-5-87 Spud 17 1/2 hole, TD @ 466. RIH W/12 jts 13 3/8 48# H-40 ST&C W/4 cent1.
Cmt @ 466 W/500 sx Cl-C, circ 50 sx, EHE 35%, WOC.
10-6-87 WOC 18 hrs, PT 1000# - 30 min - OK,
Drlg new form.

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

SIGNED Nancy Lewis TITLE Mobil Exploration & Producing U.S. Inc.
as Agent for Mobil Producing TX & NM Inc. DATE 10-14-87

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-105
Revised 1-1-89

WELL API NO. 30-025-30226
5. Indicate Type of Lease STATE ☒ FEE
6. State Oil & Gas Lease No. LG-3362

WELL COMPLETION OR RECOMPLETION REPORT AND LOG			
1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐		7. Lease Name or Unit Agreement Name LOVINGTON DEEP STATE	
b. Type of Completion: NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☒ DEEP RESVR ☐ OTHER ☐			
2. Name of Operator MOBIL EXPLORATION & PRODUCING U.S., INC.		8. Well No. 3	
3. Address of Operator BOX 633, MIDLAND, TX 79702		9. Pool name or Wildcat UNDESIGNATED WOLFCAMP	
4. Well Location Unit Letter <u>G</u> : <u>1874</u> Feet From The <u>NORTH</u> Line and <u>1980</u> Feet From The <u>EAST</u> Section <u>1</u> Township <u>17S</u> Range <u>35E</u> NMPM LEA Coun			
10. Date Spudded 1/13/91	11. Date T.D. Reached	12. Date Compl. (Ready to Prod.) 1/23/91	13. Elevations (DF& RKB, RT, GR, etc.)
14. Elev. Casinghead	15. Total Depth 11,000	16. Plug Back T.D. 10,623	17. If Multiple Compl. How Many Zones? NO
18. Intervals Drilled By Rotary Tools ☒ Cable Tools ☐	19. Producing Interval(s), of this completion - Top, Bottom, Name 10712-10436 (WOLFCAMP)		
20. Was Directional Survey Made NO	21. Type Electric and Other Logs Run		
22. Was Well Cored NO			

23. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PUT
13-3/8	54.50	478	17-1/2	500 SX	
8-5/8	32	5200	11	1700 SX	

24. LINER RECORD				25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
5-1/2	4890	11000	1250		2-3/8	10130

26. Perforation record (interval, size, and number) PERF W/2 JSPF @ 10248-10436 (138 HOLES)		27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, E. DEPTH INTERVAL 10650 10248-10436 AMOUNT AND KIND MATERIAL USED CIBP W/35' CMT W/5000 GALS 15% DINEFE	
--	--	--	--

28. PRODUCTION							
Date First Production 1-26-71		Production Method (Flowing, gas lift, pumping - Size and type pump) PUMP 2 X 1-1/4 X 36				Well Status (Prod. or Shut-in) PROD	
Date of Test 1-26-71	Hours Tested 24	Choke Size 15/64	Prod'n For Test Period	Oil - Bbl. 367	Gas - MCF 463	Water - Bbl.	Gas - Oil % 1153
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.) 43	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)		Test Witnessed By	
30. List Attachments		EXHIBIT 6 - PAGE 5	

31. 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			
Signature <i>Judy Dixon</i>	Printed Name JUDY DIXON	Title ENGR. TECHNICIAN	Date 2/12/91

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-025- 29546 30226
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. LG-3362
7. Lease Name or Unit Agreement Name LOVINGTON DEEP STATE
8. Well No. 3
9. Pool name or Wildcat UNDESIGNATED WOLFCAMP
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3931

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. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER ☐	2. Name of Operator Mobil Producing Tx. & N.M. Inc.*
3. Address of Operator *Mobil Exploration & Producing U.S. Inc., as Agent for Mobil Producing TX. & N.M. Inc., P. O. Box 633, Midland, TX 79702	4. Well Location Unit Letter G : 1874 Feet From The NORTH Line and 1980 Feet From The EAST Line Section 1 Township 17S Range 35E NMPM LEA County
11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: R/C FROM PENN TO WOLFCAMP ☒

12. 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.

1-13-91 - MIRU PERMIAN WS#39. POH W/RODS & PUMP. REL TAC & NU BOP. POH W/TBG. TAC SN, PERF & GAS ANCHOR. RU WEDGE WL. RIH & SET 5-1/2 CIBP @ 10650 & CAP W/CMT. RU PT PUMP & DUMPED 100 BBLS FW W/ BIOCIDE DOWN CSG.
1-14-91 - WEDGE PERF 5-1/2 LIN IN W/C 2 JSPF, 4 CSG GUNS 10248 TO 10436 (183 HOLES -188) NEW PBTD 10 623. P 120 BBLS FW DN CSG. PRESS 2000#.
1-16-17-18-91 PRESS UP ON TBG & OPEN BH VALVE. TEST PERFS @ PRD. BTRY. TP 300#, F 65 BNO + 22 BLW/23 HRS. GAS 81 MCF. TEST. TP 250#, F/14 BNO + 2 BLW/24 HRS. GAS 81 MCF.
1/21/91 - RU SWAB. RIH SANDLINE PARTED. REL PKR. POH REC SANDLINE & SWAB BAR. FIN poh W/PKR. RIH W/ EXCHANGE MODEL R PKR & SN & SET @ 10,130.
1-22-91 - ACDZ W/C 10-248-10,436 W/5000 GALS 15% DINEFE. RIH W/GAS ANCHOR TO 10-587-10617; 5-1/2 BAKER TAC 10086 - ND BOP.
1/23/91-RIH W/PUMP. HUNG WELL ON. RU PT PUMP TRK. LOADED TBG/W/3 BBLS FW & PRESS TEST 500#. HELD OK. CLEANED UP LOC. RD & REL PERMIAN WS#39. FINAL REPORT

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

SIGNATURE J. W. Dixon TITLE Engineering Technician DATE 02-04-91
(915)
TYPE OR PRINT NAME J. W. DIXON TELEPHONE NO. 688-2452

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION DIVISION

P. O. BOX 2038

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED	
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U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease
State ☒ Fee

5. State Oil & Gas Lease No.
B-10639

1a. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____

b. TYPE OF COMPLETION
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER _____

7. Unit Agreement Name

8. Farm or Lease Name
Lovington Deep
Amoco State

2. Name of Operator
Mobil Producing TX & NM Inc.

9. Well No.
1

3. Address of Operator
9 Greenway Plaza, Suite 2700, Houston, TX 77046

10. Field and Pool, or Wildcat
Undesignated-
Permo-Penn

4. Location of Well

UNIT LETTER E LOCATED 1980 FEET FROM THE North LINE AND 660 FEET FROM
THE West LINE OF SEC. 6 TWP. 17-S RGE. 36-E NMPM

12. County
Lea

15. Date Spudded 7-15-86 16. Date T.D. Reached 10-12-86 17. Date Compl. (Ready to Prod.) 1-19-87 18. Elevations (Dr, RKB, RT, GR, etc.) KB-3949 19. Elev. Casinghead 3927

20. Total Depth 15272 21. Plug Back T.D. 12705 22. If Multiple Compl., How Many _____ 23. Intervals Drilled By Rotary Tools ☒ Cable Tools _____

24. Producing Interval(s), of this completion - Top, Bottom, Name
Penn Formation: 10746-10748, 10756-10763, 10770-10784, 10792-10794 25. Was Directional So Made NO

26. Type Electric and Other Logs Run
Spectral Density Dual Spaced Neutron Log, DIL, Long Spaced Acoustic Velocity 27. Was Well Cored NO

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
16	65#	487	20"	400x C	
10-3/4	60.7#	5163	14-3/4"	5650X C	
			9-1/2"		
			6-1/2"		

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
7-5/8"	4949	13100	260x H		2-3/8	10600	10600

31. Perforation Record (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
Perf 12678-12799-sqzd, perf 12678-12735-sqzd, perf 12744-sqzd, perf 12678-12696-sqzd, Perf 12713-12735-sqzd, perf 10746-10794-producing.		DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
		cmt ret @ 4900'	Sqz TOL w/300x-H+1500x-Super + 200x-C.
		13800-14000	cmt 200' plug w/90x-H
		13050-13150	cmt 100' plug w/75x-H

33. PRODUCTION							
Date First Production 11-20-86		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing	
Date of Test 1-21-87	Hours Tested 24	Choke Size 12/64	Prod'n. For Test Period →	Oil - Bbl. 326	Gas - MCF 400	Water - Bbl. 3	Gas - Oil Ratio 1227
Flow Tubing Press. 900	Casing Pressure	Calculated 24-Hour Rate →	Oil - Bbl. 326	Gas - MCF 400	RECEIVED	Water - Bbl. 3	Oil Gravity - API (Corr.) 44.5

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
Sold 1 JAN 26 1987 Test Witnessed By D. R. Seale

35. List of Attachments
Logs, inclination, C104 EXHIBIT 6 - PAGE 7

36. I hereby certify that the information shown on both sides of this form is true and

SIGNED Gladys M. Sullivan

Authorized Agent

1-22-87

Lovington Deep Amoco State
Well No. 1
Form C-105, No. 32 continued

Acid, Shot, Fracture, Cement Squeeze, etc.

Depth Interval

Amount & Kind Material Used

CIBP @ 12981
12678-12799
cmt ret @ 12750

Capped w/20' cmt, TOC @ 12961.
Perf w/4 JSPF (8 holes).
Block sqz perfs 12678-12799 w/150x-H,
drill out ret & cmt & circ clean to 12961.

Set 7-5/8" CIBP @ 12790
12678-12686, 12693-12696,
12713-12715, 12717-12719,
12725-12727, 12730-12735

Perf w/4 JSPF (94 holes), treat w/300 gal
15% DINE Fe HCL.

12744
cmt ret @ 12760

Perf w/4 JSPF.
Cmt thru sqz hole @ 12774 w/150x-H. DO cmt
from 12696-12705.

CIBP @ 12702

12696-12735 Devonian Perfs
cmt ret @ 12650

DO CIBP, cmt ret & cmt to 12960, circ clean.
Aczd w/500 gal 15% DINE Fe HCL
Sqz Devonian perfs 12696-12735 w/200x-H.
DO ret @ 12650 & cmt to 12705.

12678-12686, 12693-12696

Perf w/4 JSPF (46 holes), treat w/500 gal
15% DINE Fe HCL.
DO cmt & circ clean to 12961.

12713-12715, 12717-12719,
12725-12727, 12730-12735

Perf w/4 JSPF (48 holes), treat w/500 gal
15% DINE Fe HCL.

cmt ret @ 12640
10746-10748, 10756-10763,
10770-10784, 10792-10794

Sqz Devonian perfs 12678-12735 w/200x-H.

Perf Penn Formation w/2 JSPF (54 holes).

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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.	B-10639

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-	7. Unit Agreement Name
2. Name of Operator Mobil Producing TX & N.M. Inc.	8. Farm or Lease Name Lovington Deep Amoc
3. Address of Operator P. O. Box 633, Midland, Texas Attention: Env. & Regulatory	9. Well No. 1
4. Location of Well UNIT LETTER <u>E</u> <u>1980</u> FEET FROM THE <u>north</u> LINE AND <u>660</u> FEET FROM THE <u>west</u> LINE, SECTION <u>6</u> TOWNSHIP <u>17-S</u> RANGE <u>36-E</u> NMPM.	10. Field and Pool, or Wildcat Undesignated-Permo-
15. Elevation (Show whether DF, RT, GR, etc.) 3927' GR	12. County Lea

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐

PLUG AND ABANDON ☐
CHANGE PLANN ☐

REMEDIAL WORK ☐
COMMENCE DRILLING OPNS. ☐
CASING TEST AND CEMENT JOBS ☐

ALTERING CASING
PLUG AND ABANDONMEN

OTHER Change Zones ☐

OTHER _____

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

PLUG BACK FROM DEVONIAN ZONE

Mobil Producing TX. & N.M. Inc. is plugging back the subject well from the Devonian zone as completion attempts were unsuccessful.

Verbal permission was granted by Jerry Sexton on approximately January 7, 1987 to attempt completion in the Pennsylvanian formation.

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

M. E. Sweeney

SIGNED

TITLE

Env. & Reg. Manager

ORIGINAL SIGNED BY JERRY SEXTON

APPROVED BY DISTRICT SUPERVISOR

TITLE

CONDITIONS OF APPROVAL, IF ANY:

DATE JAN 19 1987

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.
30-025-29834

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
B-10639

Appropriate
Office
Lease - 6 copies
Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b. Type of Completion:
NEW WELL ☐ WORK OVER ☐ DEEPEN ☒ PLUG BACK ☐ DEEP RESVR ☐ OTHER ☐

2. Name of Operator
MOBIL PRODUCING TX & NM INC.

3. Address of Operator
BOX 633, MIDLAND TX 79702

4. Well Location
Unit Letter L : 1830 Feet From The SOUTH Line and 510 Feet From The WEST Line
Section 6 Township 17S Range 36E NMPM LEA County

10. Date Spudded
11/11/91

11. Date T.D. Reached

12. Date Compl. (Ready to Prod.)
11/18/91

13. Elevations (DF & RKB, RT, GR, etc.)

14. Elev. Casinghead

15. Total Depth
12740

16. Plug Back T.D.
10879

17. If Multiple Compl. How Many Zones?
NO

18. Intervals Drilled By
Rotary Tools ☒ Cable Tools ☐

19. Producing Interval(s), of this completion - Top, Bottom, Name
10646-10794

20. Was Directional Survey Made

21. Type Electric and Other Logs Run

22. Was Well Cored

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLE
13-3/8	48	450	17-1/2	CIRCULATE	
9.625	36	5150	12-1/4	CIRC	
5-1/2	17	12740		CIRC	

24. LINER RECORD				25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2-3/8	SN @ 10817
						TAC-10569

26. Perforation record (interval, size, and number)
10646-664 & 10750-794 (w2-23/grams JSPF 62'-250 holes)

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
12600	CIBP cap w/4 sxs cmt
12750-794	4400 gals 15% DINEFE Acid
10662-UP	Spot 300 gals 15% DINEFE aci

28. PRODUCTION Open by pass- Spot 650 15% to pkr

Date First Production
11/20/91

Production Method (Flowing, gas lift, pumping - Size and type pump)
2 X 1.25 X 34

Well Status (Prod. or Shut-in)
P

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
11/25/91	24	1-1/4		140		4	267.3

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)
						43.5 @ 60

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By

30. List Attachments

EXHIBIT 6 - PAGE 10

31. 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

Signature Judy Dixon Printed Name JUDY DIXON Title ENVR/REG TECH Date 11/26/91

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-025-28702 29834
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. LG-7265

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. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER ☐	7. Lease Name or Unit Agreement Name LOVINGTON DEEP AMOCO STATE
2. Name of Operator Mobil Producing Tx. & N.M. Inc.*	8. Well No. 2
3. Address of Operator *Mobil Exploration & Producing U.S. Inc., as Agent for Mobil Producing TX. & N.M. Inc., P. O. Box 633, Midland, TX 79702	9. Pool name or Wildcat SOUTH SHOEBAH UPPER PENN
4. Well Location Unit Letter <u>L</u> : <u>510</u> Feet From The <u>WEST</u> Line and <u>1830</u> Feet From The <u>SOUTH</u> Line Section <u>6</u> Township <u>17S</u> Range <u>36E</u> NMPM LEA County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3929 GR	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
OTHER: ☐	PLUG AND ABANDONMENT ☐
	CASING TEST AND CEMENT JOB ☐
	OTHER: PB FROM W/C TO PENN ☐

12. 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.

11/11/91 - MIRU X-PERT 17. RIH W/TOOL. POH-NO REC. RUN #2 W/RET TOOL & POH W/PUMP. RIH W/RET STANDING VALVE ON SAND LINE. POH W/SV. STRIP ON BOPS.
11/12/91 - POH W/PKR & CAVITY. RU WL UT. RAN JB & GUAGE RING TO 12,650. SET CIBP @ 12600 & CAP W/4 SXS CMT. NEW PBD 12560. RU KT LOAD CSG W/50 BBL 2% FW & TEST OK. RD KT.
11/13/91 - PERF PENN ZONE 10646-664 & 10750-794 W/2-23 GRAM JSPF. RD WLU. RU TB TESTERS -TESTED TB TO 5000#.
11/14/91 - RD TESTERS. SET PKR @ 10686. ACID PENN PERFS 10750-794 W/4400 GAL 15% NEFE HCL. RD DOWELL. SWABBED.
11/15/91 - SET RBP @ 10726 & PKR @ 10694. RU DOWELL. RESET PKR @ 10538. LOADED ANNULUS 2/ FW-UNABLE TO BD PENN 10646-644 @ 5000#.
11/16/91 - REL PKR. SPOT 300 GAL 15% NEFEHCL ACID 10662-UP. PULL PKR 10538. REV ACID & SET PKR 10646-664 BROKE @ .3 BPM @ 5000#. PUT ACID AWAY. OPEN BY PASS, SPOT 650 GAL 15% NEFEHCL ACID TO PKR. PUT 300 GAL ACID AWAY @ 5400# @ .3 BMP & PRESS WAS INCREASING. BLED OFF PRESS. REL PKR & GIH TO 1070. REV OUT. RD DOWELL. RET RBP & PULL TO 10500 & SET RBP. CHANGE OUT WELLHEAD GATE VALVES TO BALL VALVES. REL RBP. POH W/TREAT TOOLS. LD TOOLS. GIH W/ANCHOR, SN, TBG.

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

SIGNATURE [Signature] TITLE Engineering Technician DATE 11/19/91
TYPE OR PRINT NAME J. W. DIXON TELEPHONE NO. (915) 688-2452

(This space for State Use)

Signed by
Paul Kautz
Geologist

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

NOV 25 1991

Attached to C-103 - Lovington Deep Amoco State Well #2

- 11/17/91 - FIN GIH w/ tbg. total 343 jts & mud anchor. nd bops.
Set Anchor w/15,000# ten. NU Wellhead. EOT @ 10848. SN @ 10817. TAC @ 10569.
GIH w/pump. rotating Centralizers & Rod.
- 11/18/91 - FIN GIH w/rods. (155 total) Hung well on w/rod. RU Hot oiler & loaded. Tbg.
Tested to 500#. RD Hot oiler. Checked pump actions. pumping good.
Unit needs balancing. Clean up around wellhead. Hooking up flowline.
RU PU. Turn well to production.

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

GAS - OIL RATIO TEST

Operator		Pool		County										
Mobil Producing Texas & New Mexico Inc.		Shoe Bar Wolfcamp, South		Lea										
Address		TYPE OF TEST - (X)		Completion										
Mobil Exploration & Producing U. S. Inc.		Scheduled ☒ X		☐										
12450 Greenspoint Drive														
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST	GAS - OIL RATIO CU.FT/BBL.			
		U	S	T	R					WATER BBL.S	GRAV. OIL	OIL BBL.S	GAS M.C.F.	
Kriti State 31	1	M	31	16	36			35		14	45.2	24	45	1875
Lovington Deep Amoco State	3	N	6	17	36			30		1	41.1	22	45	2045
Lovington Deep State	3	G	1	17	34			40		131	41.1	95	228	2400
Lovington Deep Yates State	1	P	36	16	35			30		4	41.1	4	6	1500

BEFORE THE
OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Case No. 10722 Exhibit No. 7
Submitted by MOBIL
Hearing Date 5/6/93

Instructions:

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Division.
Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F.
Specific gravity base will be 0.60.
Report casing pressure in lieu of tubing pressure for any well producing through casing.

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

Carla Chapa Ghazizadeh
Signature
Carla Chapa Ghazizadeh, Env. & Reg. Te Ass
Printed name and title
10/23/92 (713) 775-2092
Date Telephone No.

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

3 copies to Appropriate
District Office.

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

GAS - OIL RATIO TEST

Operator		Pool		County		Lea							
Mobil Producing Texas & New Mexico Inc.		Shoe Bar Upper Penn, South											
Address % Mobil Exploration & Producing U. S. Inc.		TYPE OF TEST - (X)		SCHEDULED		Special							
12450 Greenspoint Drive		☒				☐							
LEASE NAME	WELL NO.	LOCATION		DATE OF TEST	SP. GRAV.	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST		GAS - OIL RATIO CU.FT/BBL	
		U	S	T	R					WATER BBL.S.	GRAV. OIL	OIL BBL.S.	GAS M.C.F.
Lovington Deep Amoco State	1	E	6	17	36				24	3	39.5	15	59
Lovington Deep State	1	A	1	17	35				24	3	41.1	8	70
Lovington Deep State	2	I	1	17	35				24	2	41.1	19	47

Instructions:

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Division.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

(See Rule 301, Rule 1116 & appropriate pool rules.)

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

Carla Chapa Ghazizadeh
Signature

Carla Chapa Ghazizadeh, Env. & Reg. Tech. Asst.

Printed name and title
10/23/92 (713) 775-2092

Date
Telephone No.

Submit 2 copies to Appropriate District Office.

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-116
Revised 1/1/89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

GAS - OIL RATIO TEST

CORRECTED

Operator MOBIL PRODUCING TX & NM INC.		Pool SOUTH SHOE BAR UPPER PENNSYLVANIAN		County LEA										
Address BOX 633, MIDLAND, TX 79702		TYPE OF TEST - (X)		Completion ☐ Special ☐										
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU FT/BBL	
		U	S	T						R	WATER BBLs.	GRAV. OIL		OIL BBLs.
LOVINGTON DEEP AMOCO STATE 2	L 6	17S	36E	11/25/91	P		35		24	4	43.5	140	390	267.3
TO CORRECT C-116 11/20/91- Final Report 0- Gas to 390 MCF														

Notes:

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which the well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in that well can be assigned increased allowables when authorized by the Division.
as volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F.
ic gravity base will be 0.60.
port casing pressure in lieu of tubing pressure for any well producing through casing.

(See Rule 301, Rule 1116 & appropriate pool rules.)

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

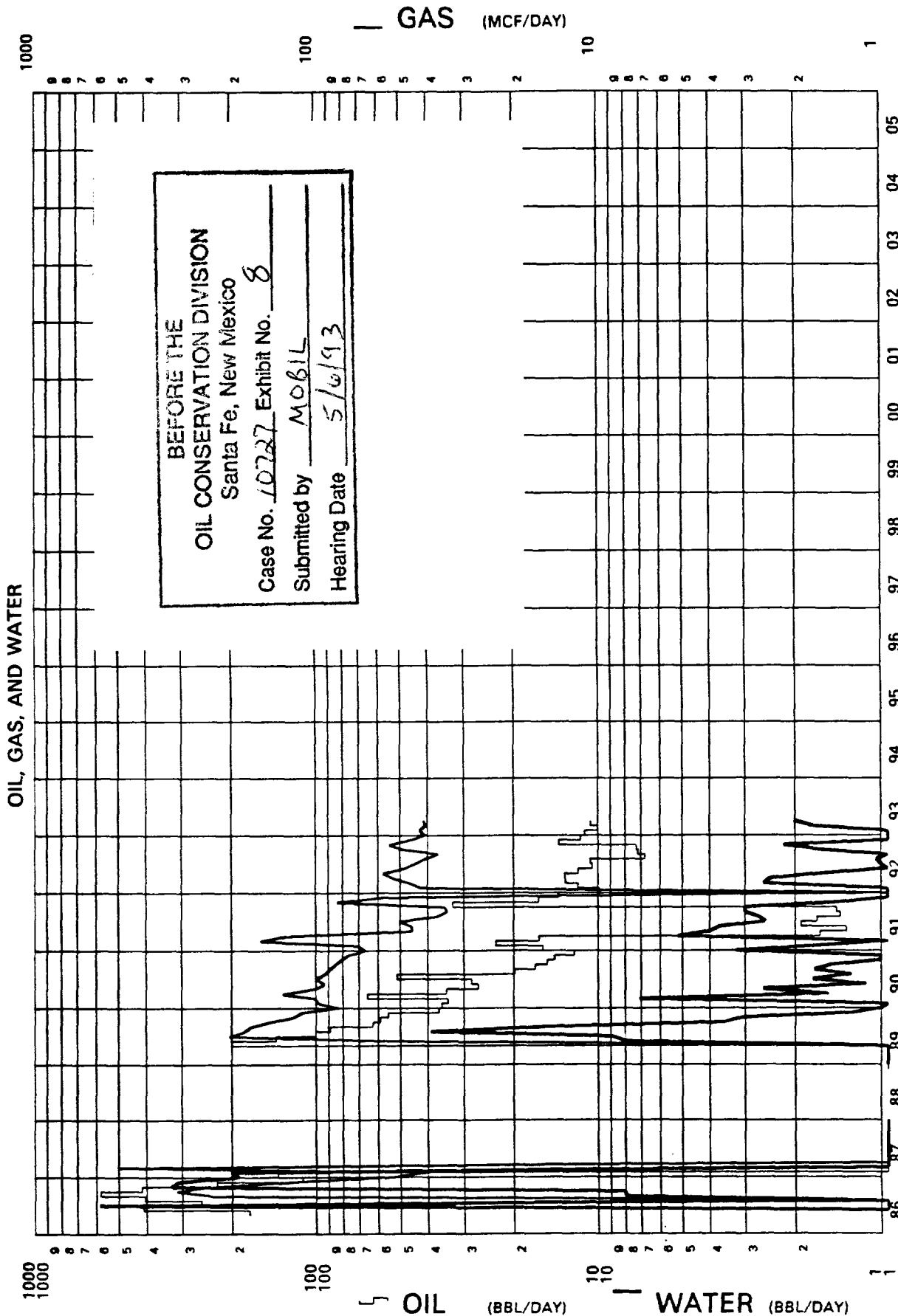
Signature
JUDY DIXON

Printed name and title
JUDY DIXON ENFORCING REGULATORY TECHNICIAN

Date
1/13/92

Telephone No.
(915) 688-2452

Mobil Exploration & Producing U.S.



Field: S. SHOE BAR/UPPER PENN
 Lease: LOVINGTON DEEP STATE 001
 Operator: MOBIL OPERATED
 District: 019
 Oil Cum: 116191
 Gas Cum: 152962

Retrieval Code: .0556510044339

Date: Tue Apr 27 09:44:00 1993

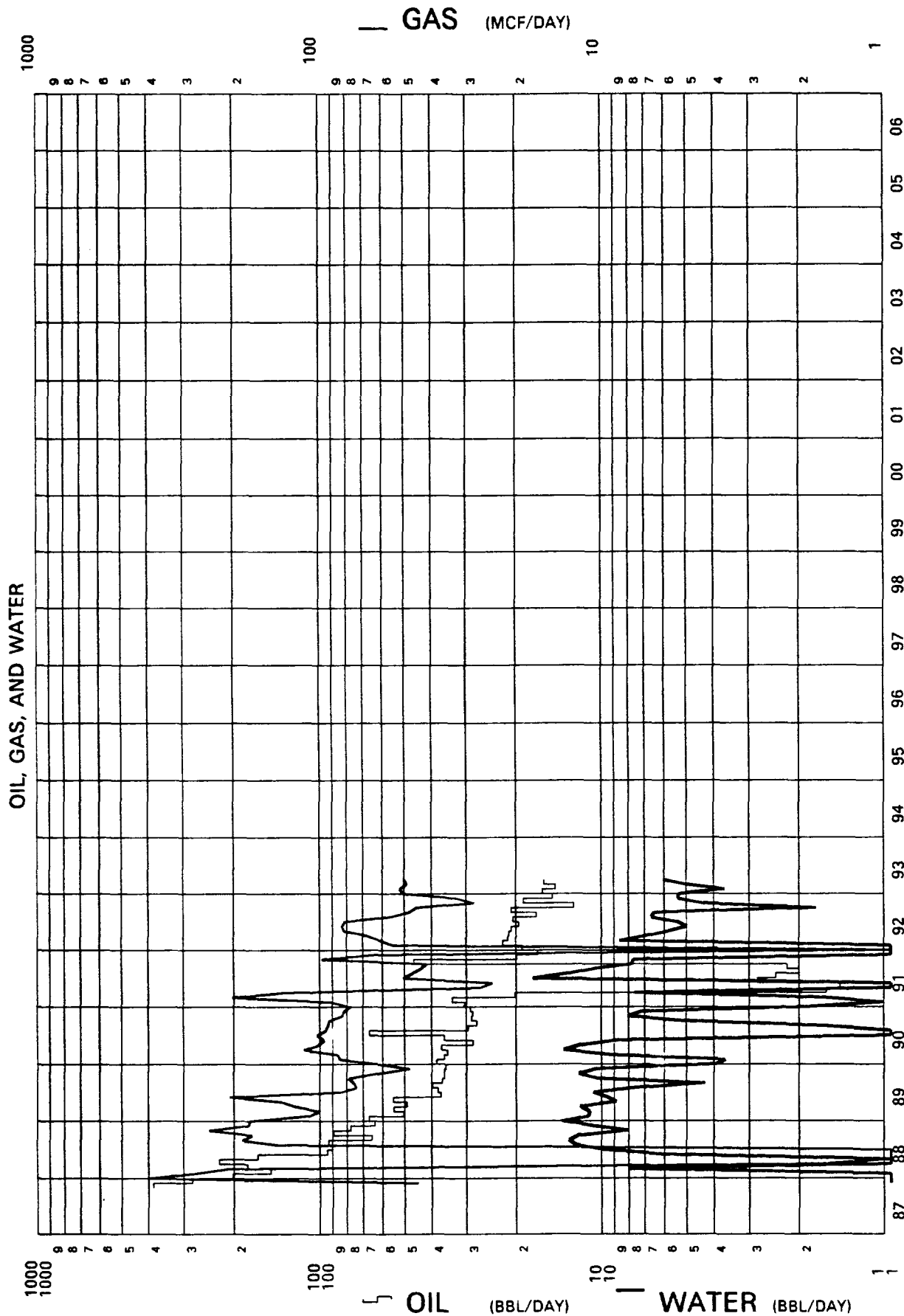
LOVINGTON DEEP STATE # 1 (UPPER PENN.)

YR/MN	OIL	GAS	WATER	DAYS
86/05	5356	0	0	0
86/06	3693	0	5229	9
86/07	4619	0	0	18
86/08	12543	7234	248	31
86/09	17364	9394	240	30
86/10	11652	6570	9184	28
86/11	6789	3625	9330	30
86/12	4547	2858	8571	29
86/12	1466	0	1625	25
YTD	68029	29681	34427	
87/01	4446	2474	11017	31
87/01	4027	0	1333	31
87/02	0	2009	0	0
87/02	0	11812	0	0
87/04	0	0	0	0
YTD	8473	16295	12350	
89/05	4597	1346	184	23
89/06	4014	5887	258	29
89/07	3098	5566	1207	31
89/08	2657	5099	451	30
89/09	1878	4363	108	30
89/10	1652	3363	86	28
89/11	1656	3363	38	30
89/12	1098	2473	30	30
YTD	20650	31460	2362	
90/01	859	2345	14	24
90/02	953	2804	198	28
90/03	2021	4053	47	31
90/04	1036	3017	78	30
90/05	830	2886	35	31
90/06	847	2982	52	30
90/07	1540	2795	38	30
90/08	616	2755	53	31
90/09	486	2467	43	29
90/10	470	2492	31	31
90/11	413	2202	29	29
90/12	376	2066	100	31
YTD	10447	32864	718	
91/01	488	2192	52	31
91/02	601	4074	15	26
91/03	504	3956	161	31
91/04	49	1357	120	30
91/05	41	1407	114	31
91/06	57	1497	76	30
91/07	52	1161	83	31
91/08	43	1063	93	31
91/09	43	1050	90	30
91/10	1017	2594	44	31
91/11	490	1724	0	30
91/12	428	0	0	31
YTD	3813	22075	848	

LOVINGTON DEEP STATE # 1 (UPPER PENN.)

(CONTINUED)

YR/MN	OIL	GAS	WATER	DAYS
92/01	306	1301	0	31
92/02	340	1338	75	29
92/03	404	1624	76	31
92/04	380	1672	46	29
92/05	352	1463	29	30
92/06	313	1326	30	30
92/07	318	1223	31	30
92/08	203	1101	15	30
92/09	215	1456	49	30
92/10	226	1694	68	31
92/11	414	1377	22	30
92/12	356	1268	0	31
YTD	3827	16843	441	
93/01	345	1321	0	31
93/02	279	1142	49	28
93/03	328	1281	62	31
YTD	952	3744	111	
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	116191	152962	51257	



Field: S. SHOE BAR/UPPER PENN
 Lease: LOVINGTON DEEP STATE
 Operator: MOBIL OPERATED

District: 019
 Oil Cum: 95367
 Gas Cum: 173642

Retrieval Code: .0556510044339

Date: Tue Apr 27 09:44:05 1993

LOVINGTON DEEP STATE # 2 (UPPER PENN.)

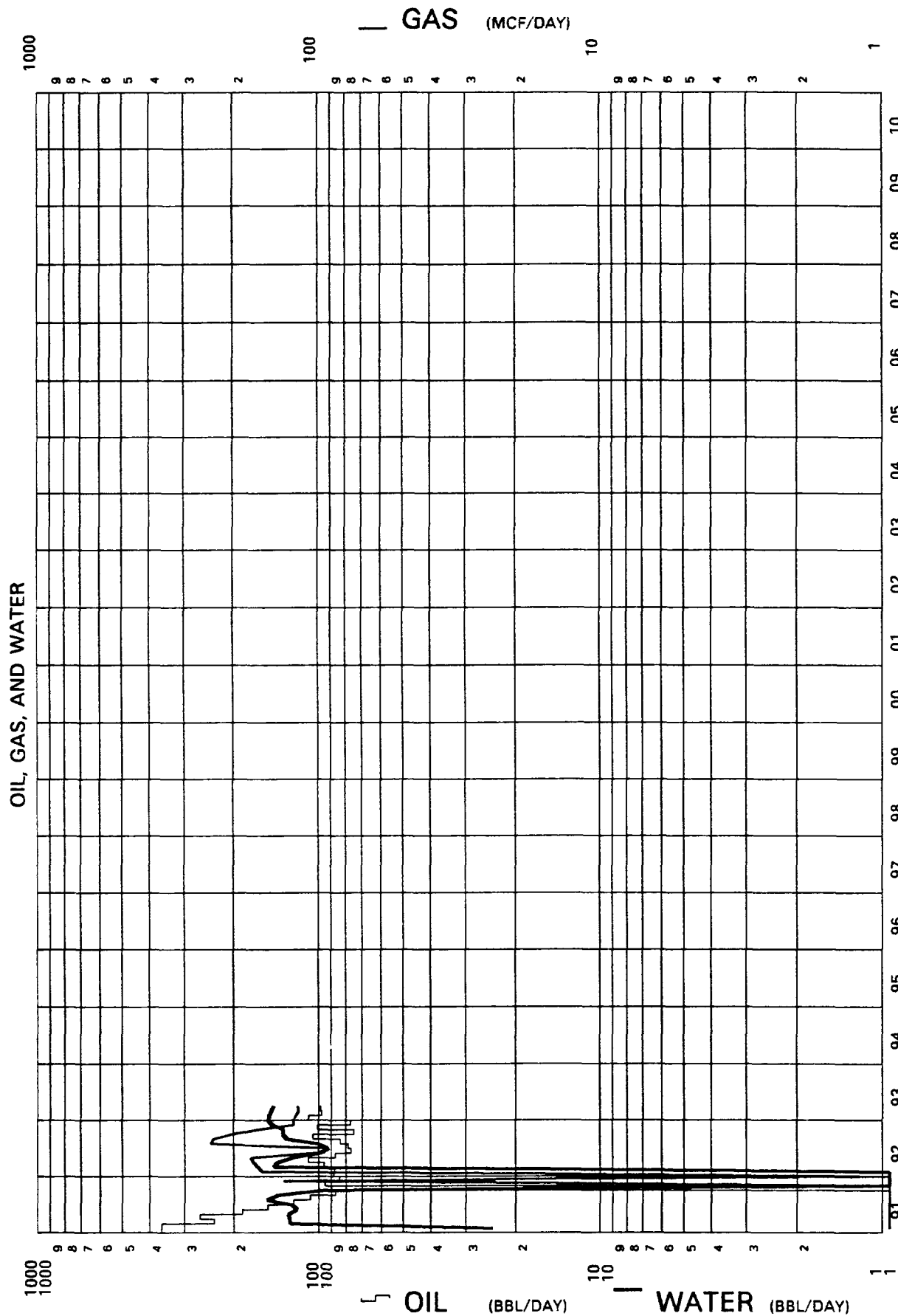
YR/MN	OIL	GAS	WATER	DAYS
87/11	1535	179	0	4
87/12	8675	12390	0	31
YTD	10210	12569	0	
88/01	4642	6269	0	23
88/02	4007	5580	216	27
88/03	5550	50	0	31
88/04	6765	0	0	30
88/05	5101	0	186	31
88/06	2817	0	290	30
88/07	2699	4264	368	30
88/08	2879	5773	403	31
88/09	1966	5171	360	30
88/10	2594	7109	232	29
88/11	2329	5315	320	30
88/12	1921	5285	414	30
YTD	43270	44816	2789	
89/01	1873	3076	311	28
89/02	1413	2810	308	28
89/03	1695	3759	369	31
89/04	1421	3943	256	29
89/05	1702	6395	296	31
89/06	1114	2549	319	30
89/07	1177	2304	233	31
89/08	1230	2349	133	31
89/09	1101	2364	305	30
89/10	1113	1932	372	31
89/11	1082	1437	312	30
89/12	1069	1861	118	30
YTD	15990	34779	3332	
90/01	1191	2637	113	31
90/02	975	2326	249	27
90/03	985	3171	380	28
90/04	1109	3033	356	30
90/05	855	2888	262	30
90/06	1011	2844	24	28
90/07	2069	2946	0	31
90/08	915	2887	51	31
90/09	825	2773	155	30
90/10	892	2573	248	31
90/11	826	2369	207	29
90/12	784	2098	51	27
YTD	12437	32545	2096	

LOVINGTON DEEP STATE # 2 (UPPER PENN.)

(CONTINUED)

YR/MN	OIL	GAS	WATER	DAYS
91/01	947	2805	31	31
91/02	948	5667	46	28
91/03	625	4122	236	31
91/04	48	805	8	30
91/05	40	678	19	28
91/06	84	1515	525	30
91/07	70	1359	380	29
91/08	62	1350	330	31
91/09	66	1252	232	30
91/10	1434	3041	238	31
91/11	596	1883	0	30
91/12	519	0	0	31
YTD	5439	24477	2045	
92/01	590	1685	0	31
92/02	644	1762	249	29
92/03	661	2097	217	31
92/04	613	2380	168	29
92/05	582	2335	140	28
92/06	548	2282	150	28
92/07	572	1572	186	28
92/08	475	1349	182	28
92/09	624	1356	52	30
92/10	387	871	135	31
92/11	563	969	161	30
92/12	460	1561	165	31
YTD	6719	20219	1805	
93/01	500	1613	113	31
93/02	405	1375	139	28
93/03	397	1249	150	25
YTD	1302	4237	402	

	95367	173642	12469	



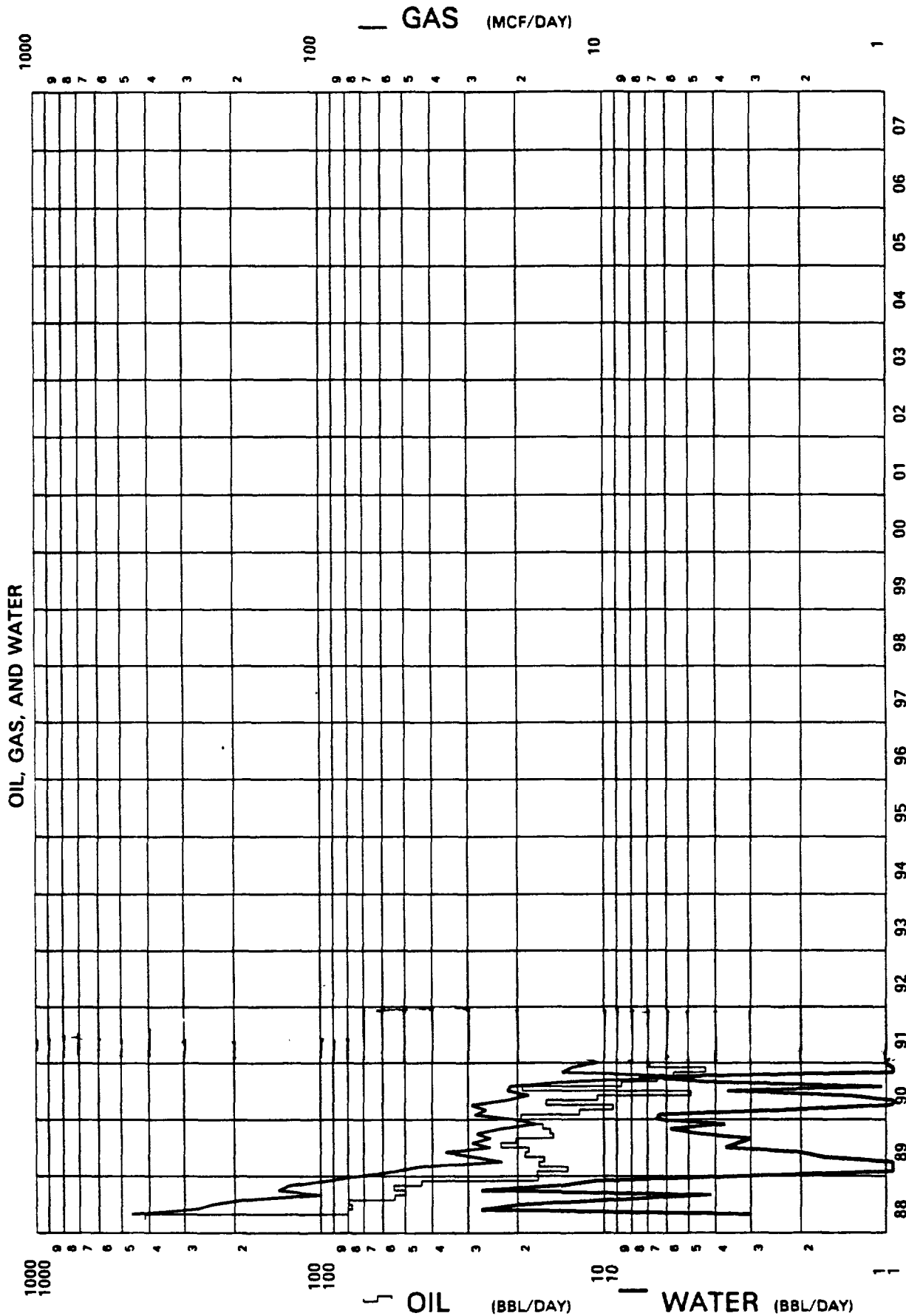
Field: S. SHOE BAR/UPPER WOLFCAMP District: 019
 Lease: LOVINGTON DEEP STATE 003 Oil Cum: 93825
 Operator: MOBIL OPERATED Gas Cum: 71438

Retrieval Code: „0556560044339

Date: Tue Apr 27 09:44:06 1993

LOVINGTON DEEP STATE # 3 (WOLFCAMP)

YR/MN	OIL	GAS	WATER	DAYS
91/01	2183	0	144	6
91/02	10159	0	3528	28
91/03	7295	0	3906	31
91/04	7914	0	3838	30
91/05	6738	0	4509	31
91/05	323	0	0	7
91/06	4512	0	3710	30
91/07	3317	0	4104	27
91/08	3314	0	4307	31
91/09	2609	0	2826	30
91/11	2849	3995	0	30
91/12	2612	0	0	31
YTD	53825	3995	30872	
92/01	2734	4894	0	31
92/02	2452	4579	4044	28
92/03	2959	5264	4322	31
92/04	3155	5034	3564	29
92/05	2610	3051	2899	30
92/06	2220	2653	2668	29
92/07	2275	7001	2913	29
92/08	2428	6866	3740	29
92/09	3131	6081	4013	30
92/10	2322	5071	4103	31
92/11	3013	3649	4356	30
92/12	1844	2935	3592	24
YTD	31143	57078	40214	
93/01	3370	3740	4625	31
93/02	2437	2948	3675	25
93/03	3050	3677	4464	31
YTD	8857	10365	12764	
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	93825	71438	83850	



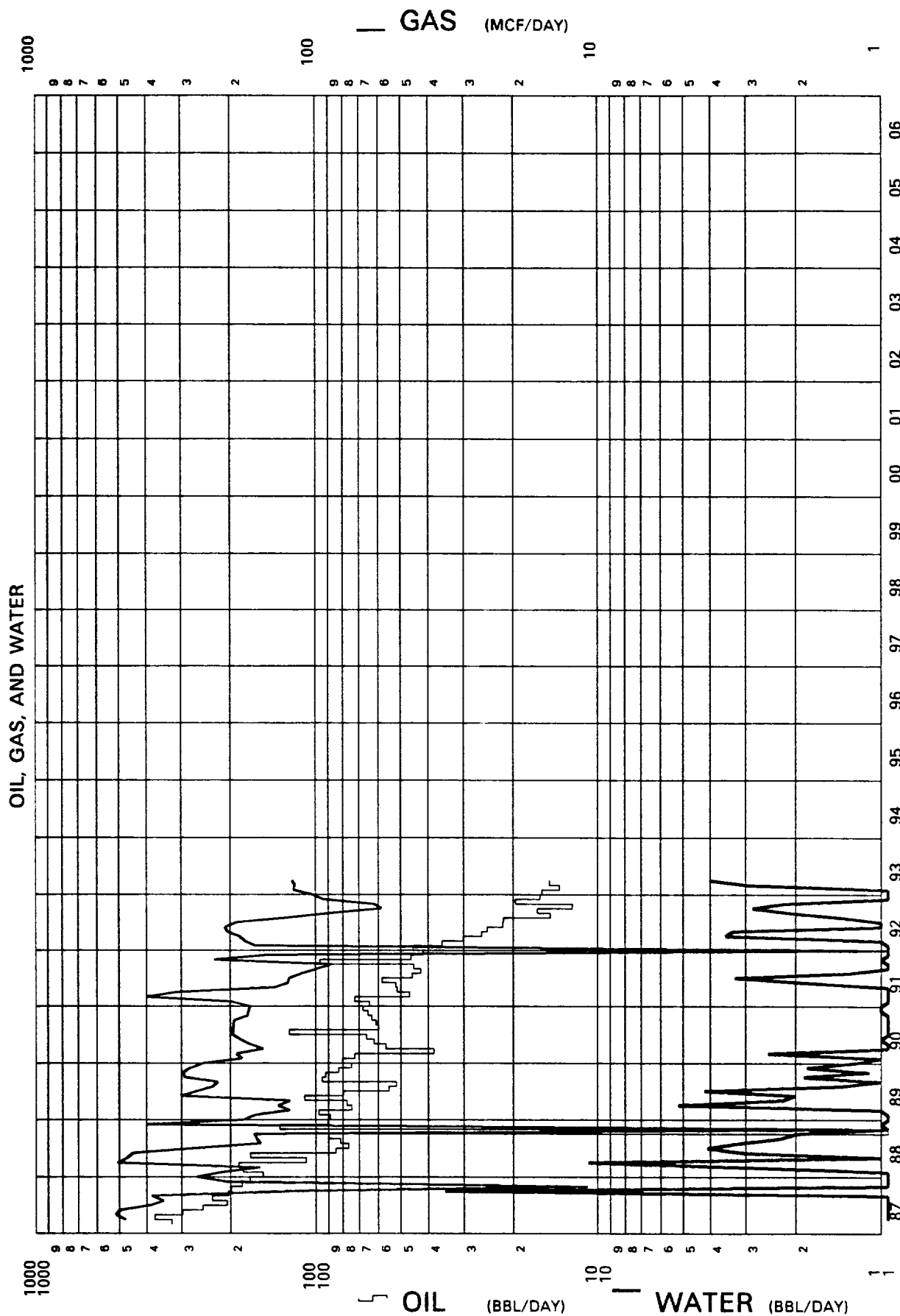
Field: S. SHOE BAR/UPPER PENN District: 019
 Lease: LOVINGTON DEEP STATE 003 Oil Cum: 32278
 Operator: MOBIL OPERATED Gas Cum: 135423

Retrieval Code: .0556510044339

Date: Tue Apr 27 09:44:05 1993

LOVINGTON DEEP STATE # 3 (UPPER PENN.)

YR/MN	OIL	GAS	WATER	DAYS
88/04	2483	2769	18	6
88/05	2314	8020	783	29
88/06	2312	7272	586	30
88/07	2387	5598	282	30
88/08	1360	2500	104	25
88/09	1395	3932	756	28
88/10	1482	3481	378	27
88/11	917	1969	222	21
88/12	458	1973	85	27
YTD	15108	37514	3214	
89/01	478	1511	0	28
89/02	361	1210	0	27
89/03	505	682	24	30
89/04	451	788	47	28
89/05	583	1120	62	31
89/06	550	753	111	30
89/07	711	901	103	31
89/08	627	773	93	31
89/09	451	841	138	30
89/10	462	691	174	30
89/11	490	516	111	30
89/12	552	612	194	30
YTD	6221	10398	1057	
90/01	542	796	178	28
90/02	315	672	56	26
90/03	260	815	10	28
90/04	461	633	0	29
90/05	306	528	39	29
90/06	147	653	109	30
90/07	597	660	32	31
90/08	268	399	135	31
90/09	194	135	225	30
90/10	175	434	0	31
90/11	126	375	24	29
90/12	186	282	27	27
YTD	3577	6382	835	
91/01	122	174	15	15
YTD	122	174	15	15
	-----	-----	-----	----
	25028	54468	5121	



Field: S. SHOE BAR/UPPER PENN District: 019
Lease: LOVINGTON DEEP AMOCO ST. 001 Oil Cum: 190143
Operator: MOBIL OPERATED Gas Cum: 439631

Retrieval Code: „0556510044517

Date: Tue Apr 27 09:44:05 1993

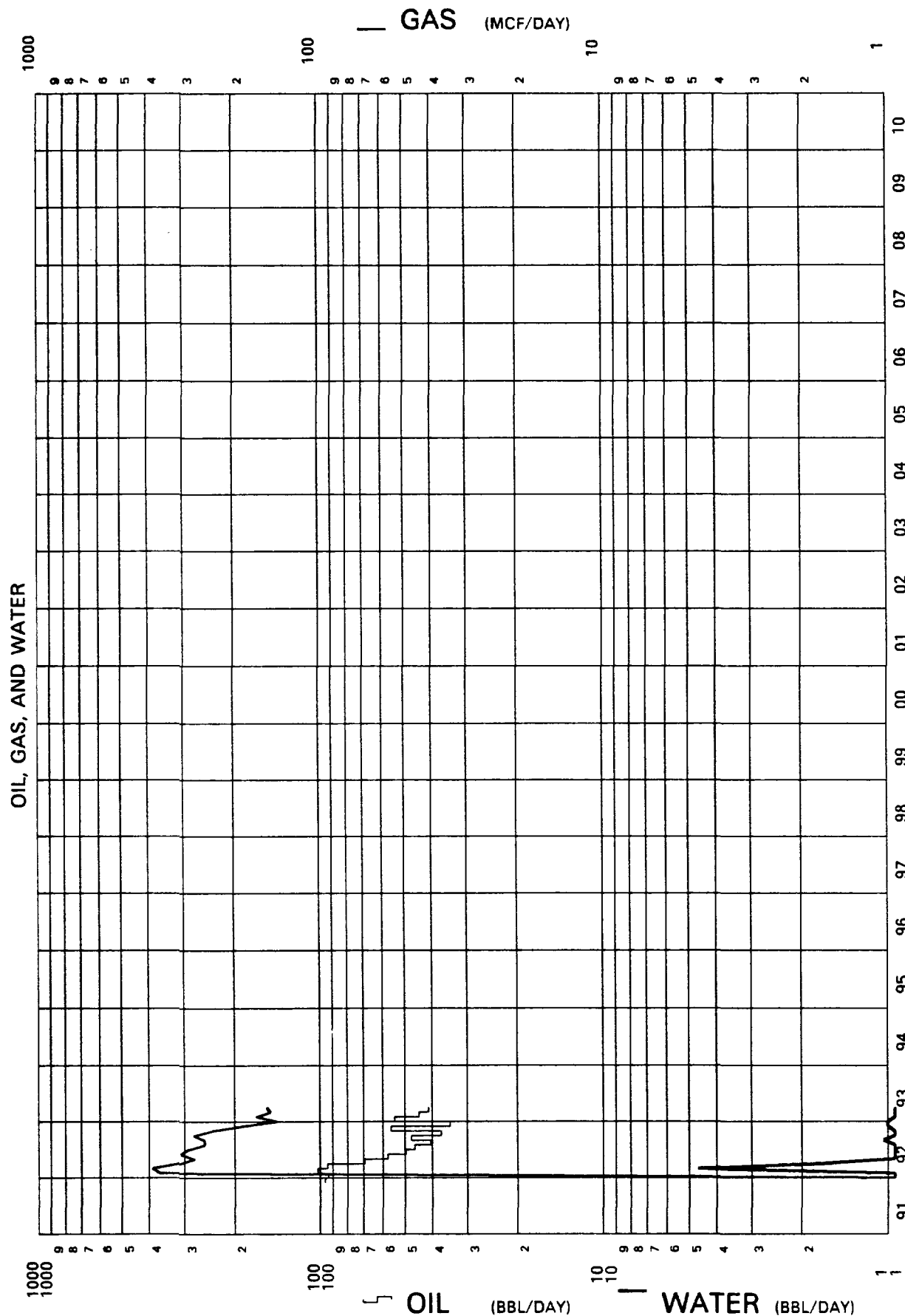
LOVINGTON DEEP AMOCO ST. # 1 (UPPER PENN)

YR/MN	OIL	GAS	WATER	DAYS
87/03	10076	14688	0	31
87/04	10899	14928	0	29
87/05	9220	15380	0	31
87/06	7536	11716	0	30
87/07	5541	9368	0	27
87/08	7239	11925	0	31
87/09	6123	3614	1050	30
87/10	6144	336	0	31
87/11	5448	6172	0	30
87/12	5106	7957	0	30
YTD	73332	96084	1050	
88/01	4738	6669	0	31
88/02	2881	2504	48	16
88/03	5409	14722	311	29
88/04	3236	14078	30	30
88/05	5256	13942	93	31
88/06	1861	5889	90	22
88/07	2136	4364	88	28
88/08	2280	4522	63	28
88/09	2596	4776	58	29
88/11	1730	5152	13	13
88/12	2795	5616	0	31
YTD	34918	82234	794	
89/01	2395	4413	25	27
89/02	2627	3315	27	27
89/03	2231	4053	156	30
89/04	2169	3421	62	28
89/05	3164	8754	58	29
89/06	2388	7960	126	30
89/07	1704	7169	43	31
89/08	1603	6868	31	31
89/09	2273	7004	45	24
89/10	2851	9183	34	31
89/11	2479	8380	55	30
89/12	2090	7053	35	28
YTD	27974	77573	697	
90/01	2330	5264	29	29
90/02	2030	5329	70	28
90/03	1072	4260	24	28
90/04	1690	5101	22	30
90/05	1923	5721	31	31
90/06	1978	5877	2	30
90/07	3695	5860	0	30
90/08	1847	6036	19	31
90/09	1834	5816	16	30
90/10	1957	5379	23	31
90/11	1891	4983	29	29
90/12	2096	5261	31	31
YTD	24343	64887	296	

LOVINGTON DEEP AMOCO ST. # 1 (UPPER PENN)

(CONTINUED)

YR/MN	OIL	GAS	WATER	DAYS
91/01	1997	6076	17	31
91/02	2035	11202	5	28
91/03	1443	9686	10	31
91/04	1541	4188	15	30
91/05	1609	3867	58	31
91/06	1744	3698	98	30
91/07	1231	3011	35	27
91/08	1321	3076	14	31
91/09	1219	2376	7	27
91/10	2987	7065	31	31
91/11	1380	4434	0	30
91/12	1295	0	0	31
YTD	19802	58679	290	
92/01	1312	4712	0	29
92/02	1033	5147	29	29
92/03	904	5551	106	30
92/04	753	5943	97	29
92/05	743	6287	30	30
92/06	652	5735	30	30
92/07	651	3774	41	30
92/08	442	2647	62	30
92/09	491	1747	85	30
92/10	379	1931	68	31
92/11	589	2807	0	30
92/12	496	3165	0	31
YTD	8445	49446	548	
93/01	489	3689	0	31
93/02	381	3300	82	28
93/03	459	3739	124	31
YTD	1329	10728	206	
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	190143	439631	3881	



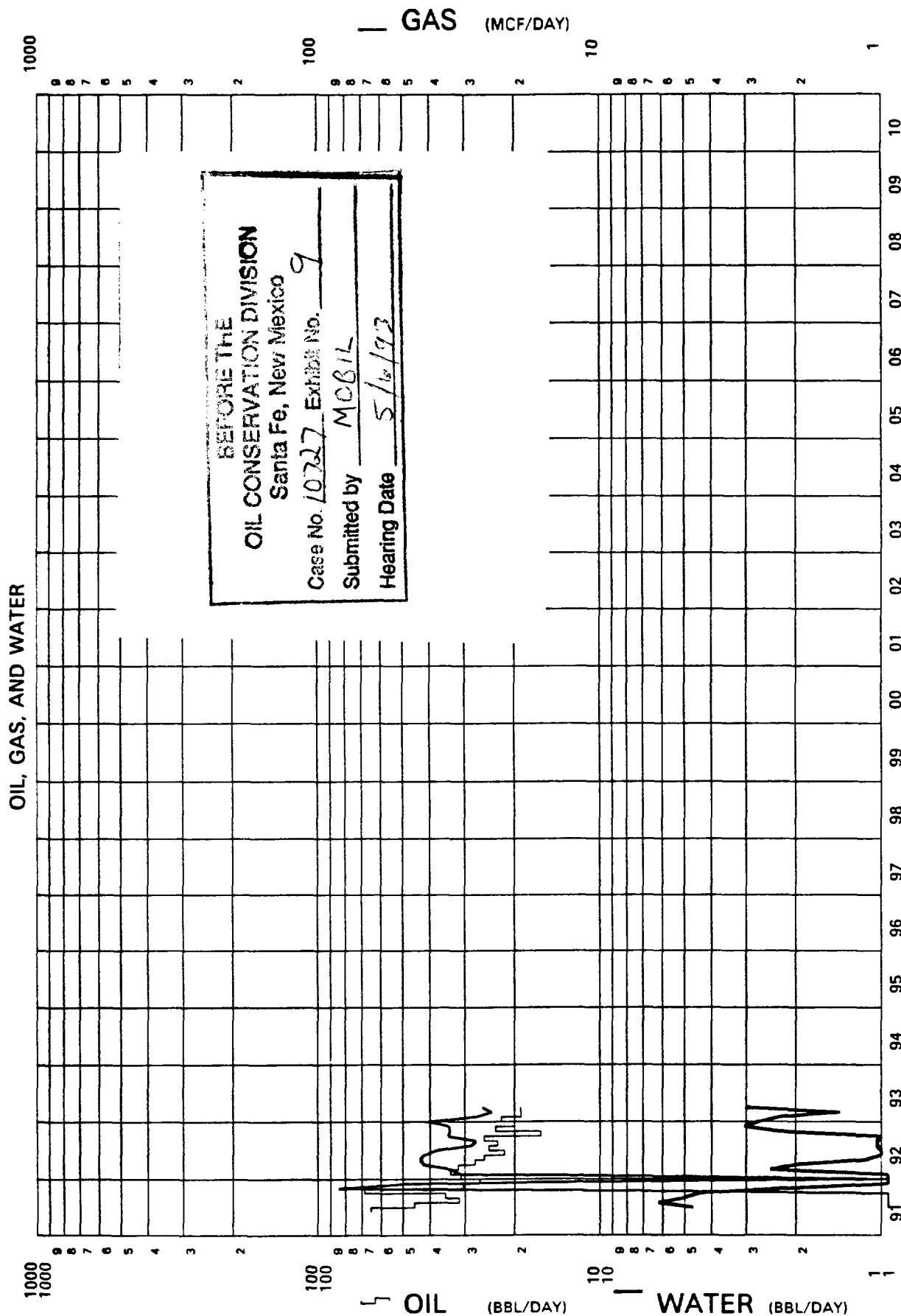
Field: S. SHOE BAR/UPPER PENN District: 019
 Lease: LOVINGTON DEEP AMOCO ST. 002 Oil Cum: 28884
 Operator: MOBIL OPERATED Gas Cum: 113080

Retrieval Code: „0556510044517

Date: Tue Apr 27 09:44:05 1993

LOVINGTON DEEP AMOCO ST. # 2 (UPPER PENN)

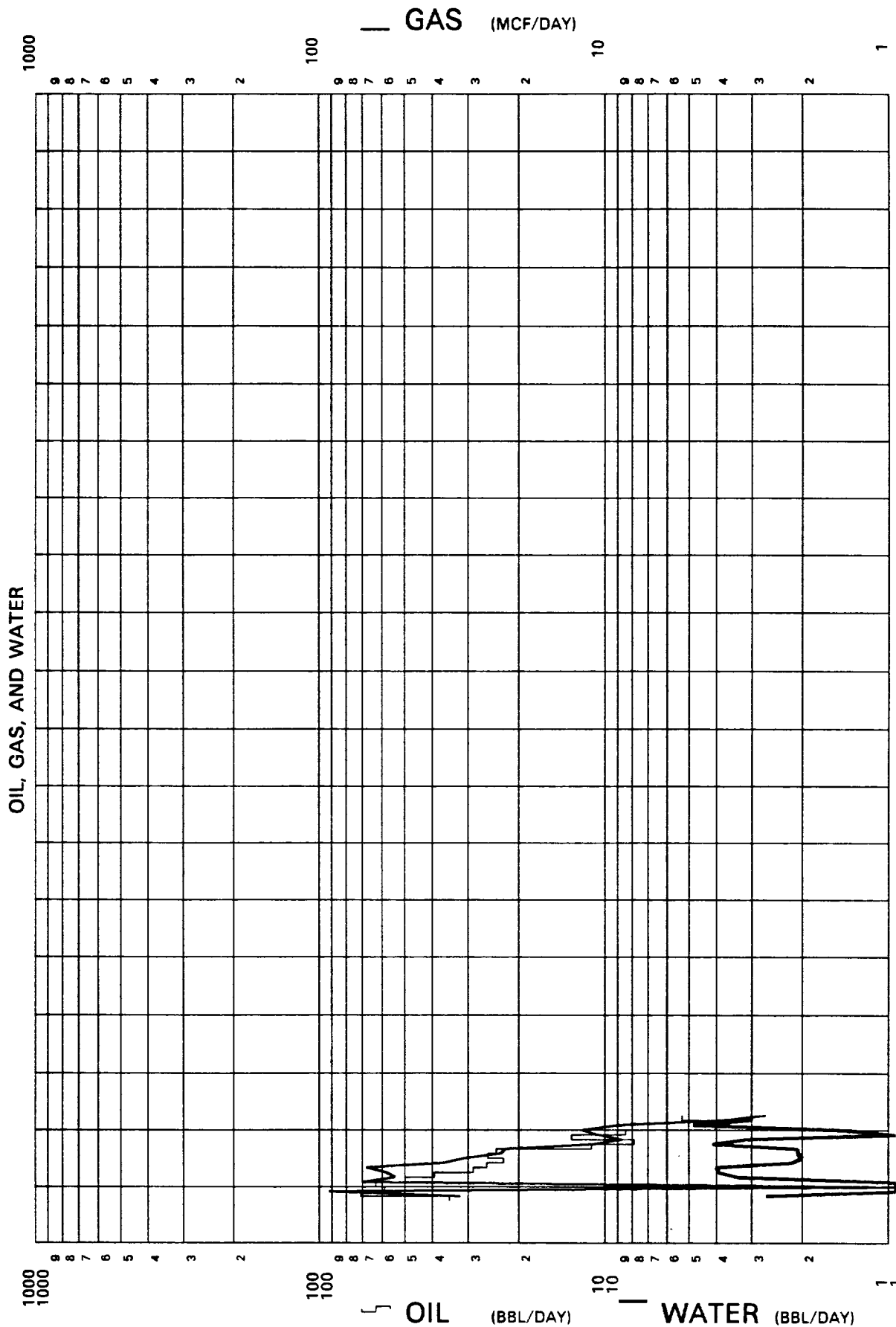
YR/MN	OIL	GAS	WATER	DAYS
91/12	2967	0	0	31
YTD	2967	0	0	
92/01	2792	11039	0	30
92/02	2849	10909	130	28
92/03	2908	9754	53	31
92/04	2018	8044	13	29
92/05	1725	9301	0	30
92/06	1488	8727	0	30
92/07	1385	7656	24	30
92/08	1215	7673	31	30
92/09	1425	8384	10	30
92/10	1153	7464	13	31
92/11	1677	5612	30	30
92/12	1068	4365	31	31
YTD	21703	98928	335	
93/01	1686	5194	9	31
93/02	1249	4187	0	28
93/03	1279	4771	0	31
YTD	4214	14152	9	
	-----	-----	-----	
	28884	113080	344	



Field: S. SHOE BAR/UPPER WOLFCAMP District: 019
Lease: LOVINGTON DEEP AMOCO ST. 003 Oil Cum: 19905
Operator: MOBIL OPERATED Gas Cum: 19262

LOVINGTON DEEP AMOCO ST. # 3 (WOLFCAMP)

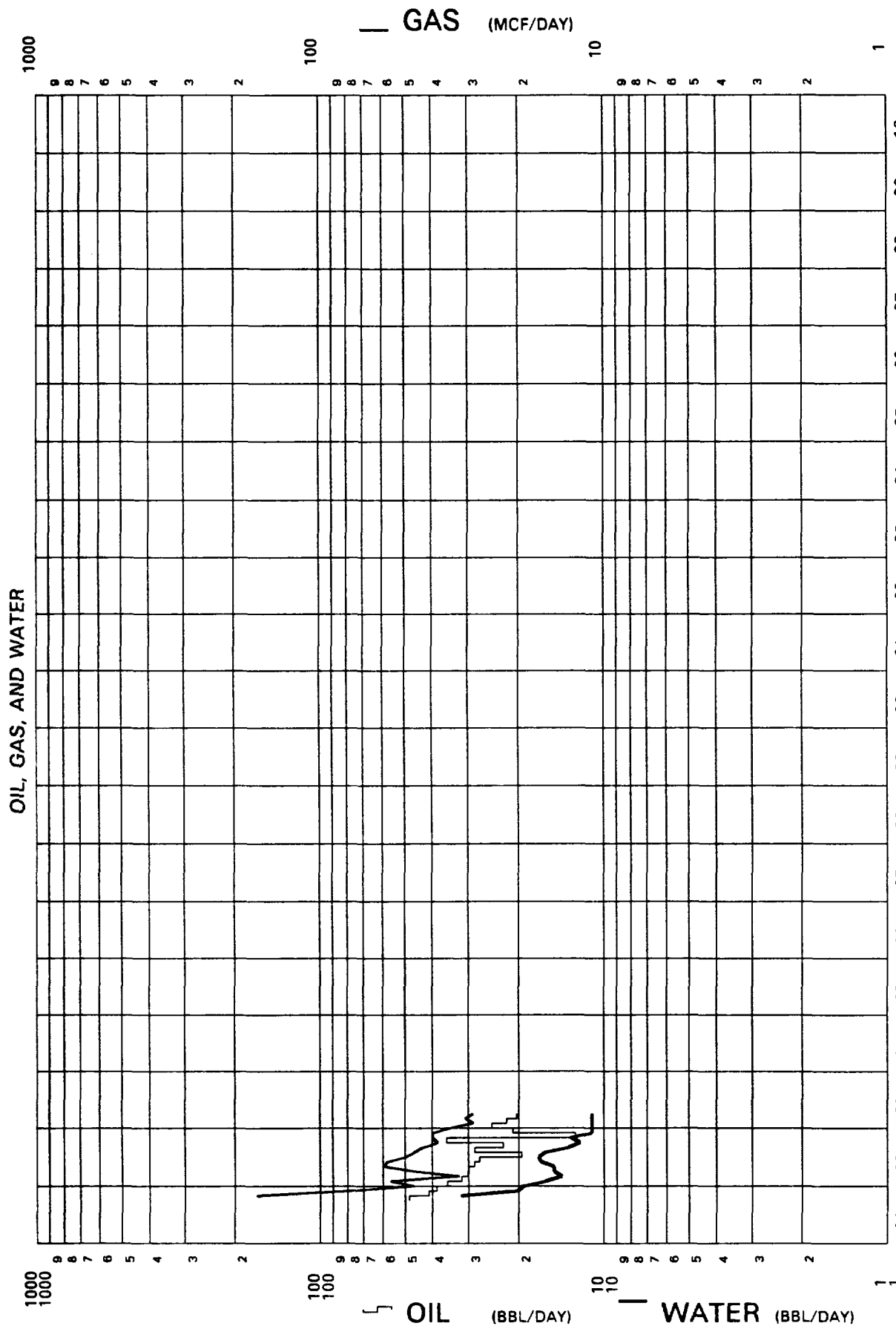
YR/MN	OIL	GAS	WATER	DAYS
91/06	1954	0	140	30
91/07	1407	0	192	31
91/08	724	0	115	23
91/09	1059	0	132	30
91/10	2058	2533	66	0
91/11	912	1455	0	30
91/12	824	0	0	31
YTD	8938	3988	645	
92/01	959	965	0	31
92/02	977	971	71	29
92/03	979	1302	62	31
92/04	801	1259	33	29
92/05	767	1265	30	30
92/06	652	1141	30	30
92/07	741	854	31	30
92/08	691	823	31	30
92/09	770	1032	30	30
92/10	499	1053	71	31
92/11	702	1022	91	30
92/12	619	1253	84	31
YTD	9157	12940	564	
93/01	689	857	71	31
93/02	531	672	39	28
93/03	590	805	93	31
YTD	1810	2334	203	
	-----	-----	-----	
	19905	19262	1412	



Field: S. SHOE BAR/UPPER WOLFCAMP District: 019
 Lease: LOVINGTON DEEP YATES ST. 001 Oil Cum: 15080
 Operator: MOBIL OPERATED Gas Cum: 16440

LOVINGTON DEEP YATES ST. # 1 (WOLFCAMP)

YR/MN	OIL	GAS	WATER	DAYS
91/10	1051	963	80	0
91/11	2135	2763	0	30
91/12	1821	0	0	31
YTD	5007	3726	80	
92/01	1952	2177	0	31
92/02	1443	1566	96	29
92/03	1222	1795	122	31
92/04	867	2043	120	30
92/05	777	1095	65	30
92/06	679	925	60	30
92/07	770	692	62	30
92/08	718	667	62	30
92/09	334	330	124	30
92/10	244	269	98	31
92/11	392	316	26	30
92/12	261	371	44	31
YTD	9659	12246	879	
93/01	125	277	149	31
93/02	125	108	84	28
93/03	164	83	93	31
YTD	414	468	326	
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	15080	16440	1285	



Field: S. SHOE BAR/UPPER WOLFCAMP
 Lease: KRITI STATE 31
 Operator: MOBIL OPERATED
 District: 001
 Oil Cum: 15474
 Gas Cum: 27468

Retrieval Code: „0556560051380

Date: Tue Apr 27 09:44:06 1993

KRITI STATE 31 # 1

(WOLFCAMP)

YR/MN	OIL	GAS	WATER	DAYS
91/10	1355	4699	893	28
91/11	1237	2392	604	30
91/12	1201	1443	598	31
YTD	3793	8534	2095	
92/01	1067	1688	481	30
92/02	918	932	407	29
92/03	933	1437	465	31
92/04	868	1708	435	29
92/05	858	1738	501	30
92/06	822	1500	510	30
92/07	584	1390	484	30
92/08	853	1295	400	30
92/09	677	1148	361	30
92/10	1107	1238	406	31
92/11	377	1197	330	30
92/12	648	1075	341	31
YTD	9712	16346	5121	
93/01	768	892	341	31
93/02	593	829	297	27
93/03	608	867	330	30
YTD	1969	2588	968	
	-----	-----	-----	
	15474	27468	8184	

700 W. INDIANA
MIDLAND, TEXAS 79701
PHONE 683 4521

Waylan C. Martin, M.A.



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

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BRUCE KING
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

AMENDED COMMINGLING ORDER PLC-75

Mobil Exploration & Production U.S., Inc.
P.O. Box 633
Midland, TX 79702

Attention: G. N. Miller

The above-named company is hereby authorized to commingle South Shoe Barr Devonian, South Shoe Bar Upper Penn and Undesignated Wolfcamp Pool production from the following leases:

LEASE NAME: Lovington Deep State Lease
DESCRIPTION: N/2 NE/4, SW/4 NE/4, N/2 SE/4 Section 1, Township 17 South, Range 35 East, NMPM;

LEASE NAME: Lovington Deep Amoco State Lease
DESCRIPTION: S/2 NW/4, N/2 SE/4 Section 6, Township 17 South, Range 36 East, NMPM; and

LEASE NAME: Lovington Deep Yates State Lease
DESCRIPTION: E/2 SE/4 Section 36, Township 16 South, Range 35 East, NMPM.

All in Lea County, New Mexico.

Production from each lease by well tests. (All commingled production must be of marginal nature; further, the operator shall notify the Santa Fe office of the Division in the event any well in the commingled battery becomes capable of top allowable production, at which time the Division will amend this order or take such other action as may be appropriate.

NOTE: This installation shall be installed and operated in accordance with the applicable provisions of Rule 309-B of the Division Rules and Regulations and the Division "Manual for the Installation and Operation of Commingling Facilities." It is the responsibility of the producer to notify the transporter of this commingling authority.

REMARKS: Should the Lovington Deep State Well No. 3 be capable of production in excess of top unit allowable, said production shall be separately metered prior to commingling.

Amended Administrative Order PLC-75
Mobil Exploration and Production US, Inc.
January 9, 1991
Page 2

DONE at Santa Fe, New Mexico, on this 9th day of January, 1991.



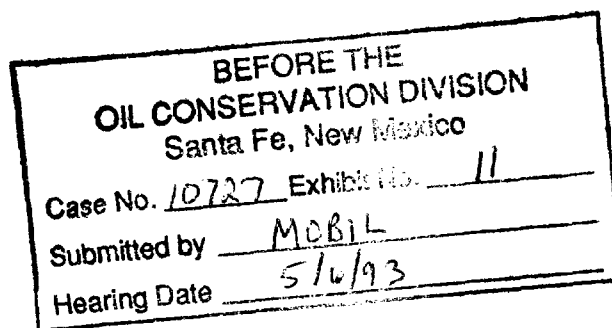
WILLIAM J. LEMAY,
Division Director

cc: Oil Conservation Division - Hobbs
NM State Land Office - Santa Fe

ORIGINAL PRESSURE DATA

BHP-SHOEBAR FIELD

<u>DATE</u>	<u>WELL</u>	<u>INTERVAL/DEPTH</u>	<u>PRESSURE</u>
3-9-86	LOVINGTON ST. DEEP #1 by HALLIBURTON	10,159 WOLFCAMP	4674
3-9-86	"	10,104 "	4706
11-3-87	LOVINGTON ST. #2 by SCHLUMBERGER	10,357 U. PENN	I-4715 F-4708
3-17-88	LOVINGTON ST. #3 by HALLIBURTON	10,191 WOLFCAMP	I-4633.6 F-4546.3
	LOVINGTON DEEP ST. #3	10210-318 WOLFCAMP	I & F-4434



LOVINGTON DEEP STATE #2 (PENN)

DEEP 2 MEPUS LARRY 05-04-1993	Production 16.0 BOPD 2.0 BWPD 28 MCF/D	Casing dP/dT 1750.0 psi 4.5 mins	Casing(Psig) = 230.0
WELL DATA 40.0 API Oil 1.05 Water SG Gas SG: 0.83 Velocity = 1147 Ft/Sec	VOGEL IPR ANALYSIS PBHP/SBHP = 0.93 Efficiency = 11% Max Producing Rate 139.6 BOPD 17.4 BWPD	Gas/Liq PSIG = 319	Annular Gas Flow (MCF/D) = 0.0
Temperature: 70 F Surface 130 F Bottom 2.375 Tubing 5.500 Casing	Reservoir Pressure 500 psia Test Method - EST. 0 day Shut-In Test date: 5-3-93	Liquid @ 10488 ft	100% Liquid
Total Liquid above Pump = 401 Ft Gas-Free Liquid above Pump = 401 Ft		Datum @10889	SBHP (PSIA) = 500
		PBHP (Psia) = 467.2	

	Fluid Level Above Tide pump	Csg pressure
5-3-93	0'	304
4 Hours	95'	704
24 Hours	401'	2304

LDUVINGTON DEEP YATES STATE #1 (WOLF CAMP)

YATES ST. #1 MOBIL LARRY 05-04-1993		Production 3.0 BOPD 5.0 BWPD 3 MCF/D	Casing dP/dT %-1277.0 psi 4.5 mins	Casing(Psig)= 92.5
WELL DATA 40.0 API Oil 1.05 Water SG Gas SG:0.83 Velocity= 1172 Ft/Sec	VOGEL IPR ANALYSIS PEHP/SBHP=0.42 Efficiency=77% Max Producing Rate 3.9 BOPD 6.5 BWPD	Gas/Liq PSIG= 130	Annular Gas Flow (MCF/D)= 0.0	
Temperature: 70 F Surface 130 F Bottom 2.375 Tubing 5.500 Casing	Reservoir Pressure 500 psia Test Method- EST 0 day Shut-In Test date:02-17-91	Liquid @ 10522 ft	100% Liquid	
Total Liquid above Pump= 196 Ft Gas-Free Liquid above Pump= 196 Ft		Datum @10718	SBHP(PSIA) = 500	
		PBHP(Psia) = 211.5		

Fluid Level Above
THE Pump

Csg Pressure

5-3-93

0'

29#

4 Hours

35'

45#

24 Hours

196'

93#