



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

11/2/95

GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

DHC-1180

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

RE: Proposed:

MC _____
DHC _____ X
NSL _____
NSP _____
SWD _____
WFX _____
PMX _____

Gentlemen:

I have examined the application for the:

Texaco E & P Inc. BF Harrison B #15-P 5-235-37e
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

OK

Yours very truly,

Jerry Sexton
Jerry Sexton
Supervisor, District 1

/ed



October 16, 1995

New Mexico Oil Conservation Division
2040 South Pacheco
PO Box 6429
Santa Fe, NM 87505

Attn: Mr. William J. LeMay

**Re: Exception to Rule 303-A
Administrative Approval to Downhole Commingle
B. F. Harrison "B" #15
North Teague Tubb Associated and the
North Teague Drinkard-Abo
UL P, Section 5, Tws. 23S, Rng. 37E
Lea County, New Mexico**

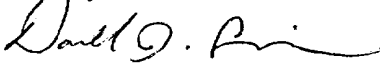
Dear Mr. LeMay,

Texaco Exploration and Production Inc., respectfully requests administrative approval to downhole commingle the North Teague Tubb Associated and the North Teague Drinkard-Abo zones for the above captioned well.

At this time, the B. F. Harrison "B" #15 is dually completed in the Tubb and Drinkard-Abo zones. Production from the Tubb interval is on plunger lift while production from the Drinkard-Abo interval is flowing. Hydrocarbons from both zones are surface commingled in a storage facility located in UL C, Section 9, Tws., 23S, Rng., 37E. Texaco proposes to rod pump the downhole commingled production from both zones. This method of production will significantly decrease the casing pressure on the producing formations and allow for a more complete recovery of hydrocarbons. Consequently, the productive life of both intervals will be extended thus minimizing waste. For additional information, please refer to the attached acreage plats, C-116's, and list of offset operators.

All offset operators have been notified of this proposal by copy of this package sent by certified mail. If you have additional questions concerning this proposal, please contact myself at (505) 397-0426. Thank you for your consideration of this proposal.

Sincerely,


Darrell J. Carriger
Texaco Exploration and Production

cc: Mr. Jerry Sexton (Hobbs District Director NMOCD), Offset operators

file
chrono
Attachments



Exception to Rule 303-A

B. F. Harrison "B" #15

The following informational items are required by rule 303-D (Obtaining Administrative Approval for Downhole Commingling).

1. Texaco Exploration and Production Inc.,
PO Box 730
Hobbs, NM 88240
2. B. F. Harrison "B" #15
North Teague Tubb Associated and the
North Teague Drinkard-Abo
UL P, Section 5, Tws. 23S, Rng. 37E
Lea County, New Mexico
3. Acreage plats (form C-102) for each zone and and offset operator plat are attached to application.
4. A form C-116 for each zone is attached zone.
5. Production decline curves for both producing zones are attached.
6. Estimated bottomhole pressure for each zone:

North Teague Tubb Associated 800 psi
North Teague Drinkard-Abo 975 psi

*****Production from each zone will be maintained in a "pumped off" condition to eliminate the possibility of thieving.*****
7. At this time, production from both zones is surface commingled in a common storage facility and no operational difficulties have been encountered due to incompatible fluids.
8. Surface commingled production has a gravity of 43.9 ° API

Non-DHC production				
Pool	Oil (bbl/day)	Oil Gravity	Cost (\$/bbl)	Daily Total Value
Tubb Associated	5	43.9	15.75	\$78.75
Drinkard-Abo	24	43.9	15.75	\$378.00
Total Non-Commingled	29	43.9	15.75	\$456.75

DHC production				
Pool	Oil (bbl/day)	Oil Gravity	Cost (\$/bbl)	Daily Total Value
Tubb Associated	9	43.9	15.75	\$141.75
Drinkard-Abo	41	43.9	15.75	\$645.75
Total Commingled	50	43.9	15.75	\$787.50

Daily commingled value: \$787.50
Daily non-commingled value: \$456.75
Increase in Value of: \$330.75

9. Allocation of production:		
Pool	Oil (bbl/day)	Gas (Mcf/day)
Tubb Associated	9	294
Drinkard-Abo	41	1106
Total	50	1400



Production should be allocated by the following percentages:

Pool	Oil (%)	Gas (%)
Tubb Associated	18%	21%
Drinkard-Abo	82%	79%
Total	100%	100%

10. Texaco offsets this acreage on all sides with the exception of the NW/4 of the SW/4 of section 4, which is operated by Samedan Oil Corp. Samedan has been notified of this proposal by copy of this application package.



DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88211-0719

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

P.O. Box 2088, Santa Fe, NM 87504-2088

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-102

Revised February 10, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30 025 32496	² Pool Code 96313	³ Pool Name NORTH TEAGUE DRINKARD - ABO
⁴ Property Code 10960	⁵ Property Name HARRISON B.F. "B"	⁶ Well No. 15
⁷ OGRID Number 022351	⁸ Operator Name TEXACO EXPLORATION & PRODUCTION INC.	⁹ Elevation 3326'

¹⁰ Surface Location

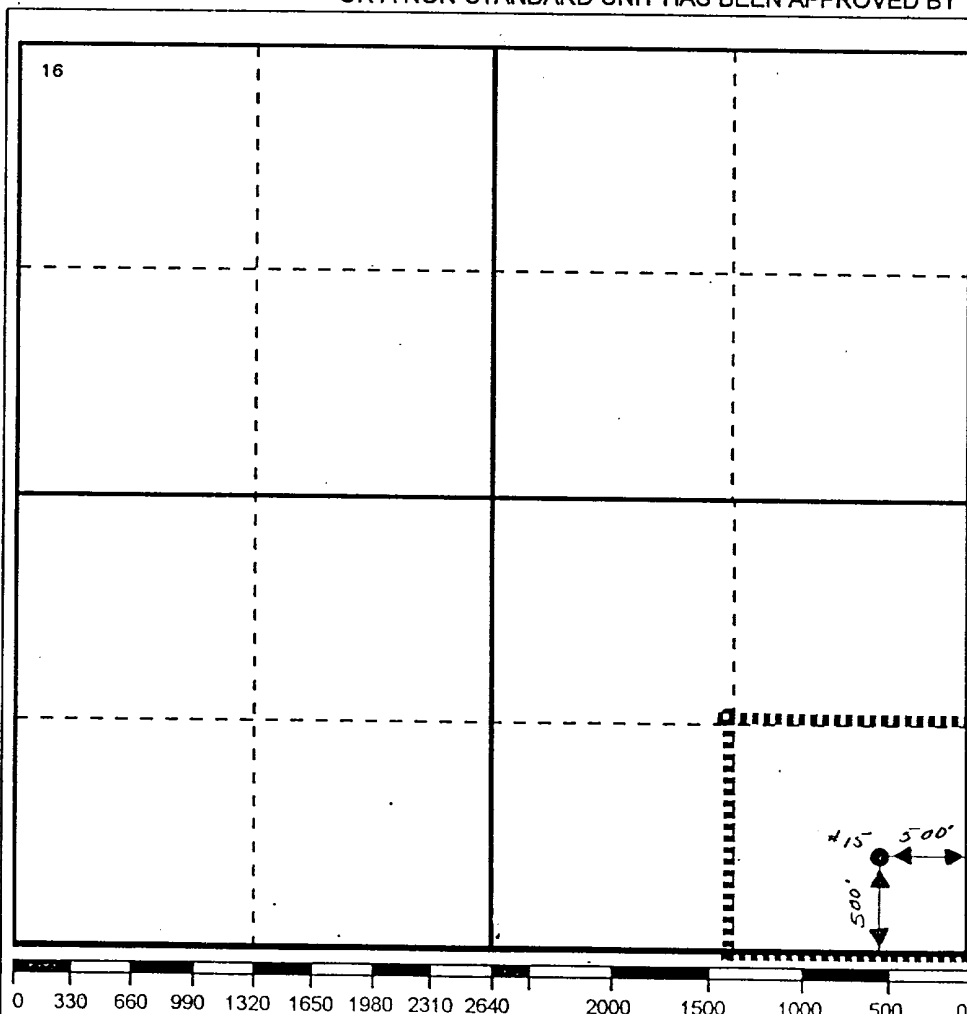
UI or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
P	5	23S	37E		500	SOUTH	500	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

UI or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
---------------	---------	----------	-------	---------	---------------	------------------	---------------	----------------	--------

¹² Dedicated Acres 40	¹³ Joint or Infill No	¹⁴ Consolidation Code	¹⁵ Order No.
-------------------------------------	-------------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁷ OPERATOR CERTIFICATION

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

Signature

Printed Name

Darrell J. Carriger

Position

Engineering Assistant

Date

11/15/94

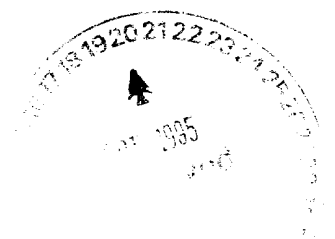
¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown
on this plat was plotted from field notes of
actual surveys made by me or under my
supervision, and that the same is true and
correct to the best of my knowledge and
belief.

Date Surveyed

Signature & Seal of
Professional Surveyor

Certificate No.



DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88211-0719

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

P.O. Box 2088, Santa Fe, NM 87504-2088

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-102

Revised February 10, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

¹ API Number 30 025 32496		² Pool Code 96315		³ Pool Name NORTH TEAGUE - TUBB ASSOCIATED	
⁴ Property Code 10960		⁵ Property Name HARRISON B.F. "B"			⁶ Well No. 15
⁷ OGRID Number 022351		⁸ Operator Name TEXACO EXPLORATION & PRODUCTION INC.			⁹ Elevation 3326'

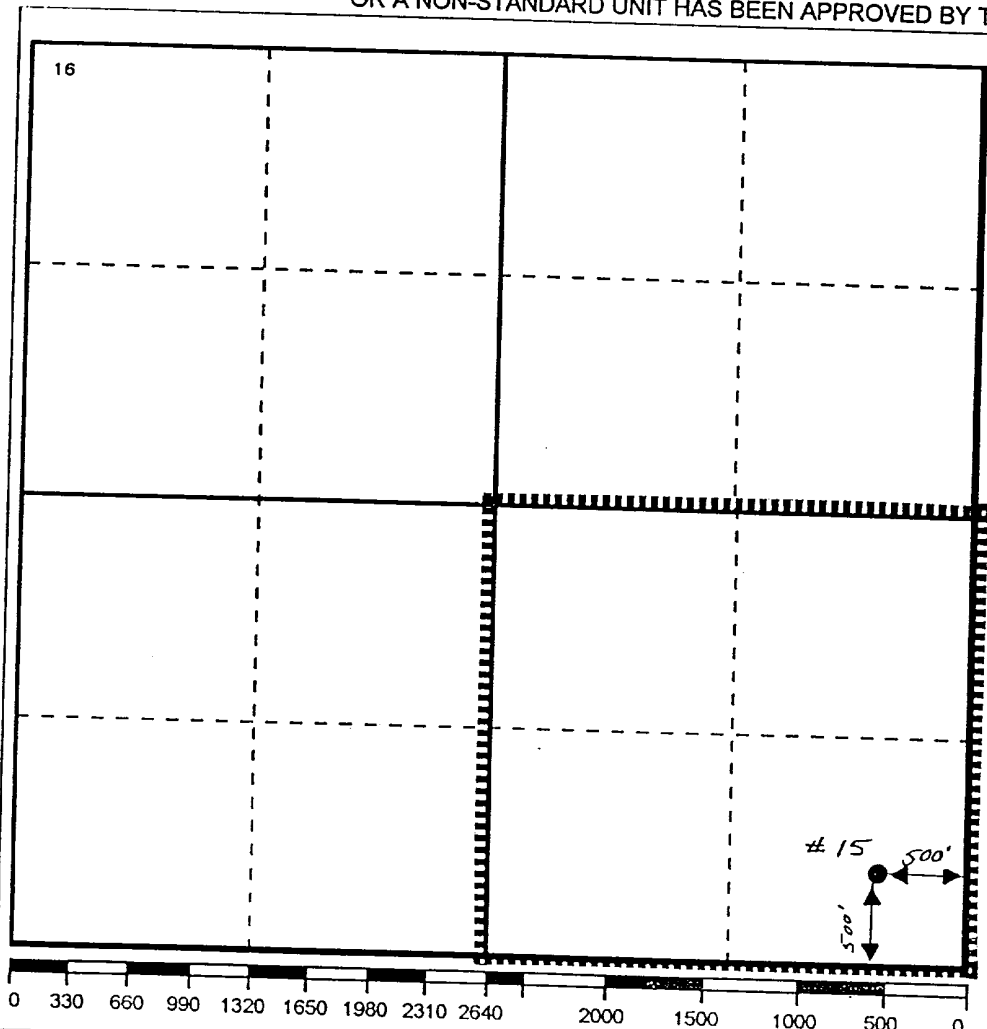
¹⁰ Surface Location

Ul or lot no. P	Section 5	Township 23S	Range 37E	Lot.Idn	Feet From The 500	North/South Line SOUTH	Feet From The 500	East/West Line EAST	County LEA
--------------------	--------------	-----------------	--------------	---------	----------------------	---------------------------	----------------------	------------------------	---------------

¹¹ Bottom Hole Location If Different From Surface

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
---------------	---------	----------	-------	---------	---------------	------------------	---------------	----------------	--------

¹² Dedicated Acres 160	¹³ Joint or Infill No	¹⁴ Consolidation Code	¹⁵ Order No.
--------------------------------------	-------------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION**17 OPERATOR CERTIFICATION**I hereby certify that the information
contained herein is true and complete to the
best of my knowledge and belief

Signature

Printed Name

Darrell J. Carriger

Position

Engineering Assistant

Date

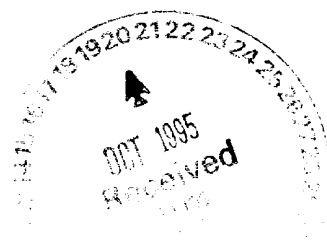
11/15/94

18 SURVEYOR CERTIFICATIONI hereby certify that the well location shown
on this plat was plotted from field notes of
actual surveys made by me or under my
supervision, and that the same is true and
correct to the best of my knowledge and
belief.

Date Surveyed

Signature & Seal of
Professional Surveyor

Certificate No.



DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box 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 TEXACO EXPLORATION & PRODUCTION INC.		Pool North Teague Tubb Associated		County		Lea								
Address P.O. BOX 730, HOBBS, NM 88240		TYPE OF TEST - (X)		Scheduled ☐		Completion ☐		Special ☒						
LEASE NAME B. F. Harrison "B"	WELL NO. 15	LOCATION			DATE OF TEST 9/7/95	CHOKE SIZE OPEN	TBG. PRESS	DAILY ALLOW. ABLE	LENGTH OF TEST HOURS 24	PROD. DURING TEST			GAS - OIL RATIO CU.FT/BBL.	
		U	S	T						R	WATER BBLs.	GRAV. OIL		OIL BBLs.
		P	5	23S	37E					4	43.9	4	200	50000

Instructions:

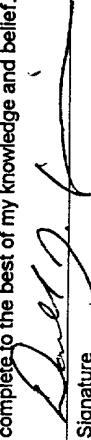
During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that the well can be assigned increased allowables when authorized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

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60 deg. 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.


Signature

Darrell J. Carriger

Engineering Assistant

Printed Name and Title

10/17/95

DATE

397-0426

Telephone No.

DeSoto/MScholes 10-93 ver 2.0



DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box 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 TEXACO EXPLORATION & PRODUCTION INC.		Pool North Teague Drinkard - Abo		County		Lea									
Address P.O. BOX 730, HOBBS, NM 88240		TYPE OF TEST - (X)		Completion ☐ Scheduled ☐		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.	GAS M.C.F.
B. F. Harrison "B"	15	P	5	23S	37E	9/7/95	F	OPEN		24	17	43.9	24	749	31208

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 the 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 deg. 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.


Signature

Darrell J. Carriger

Engineering Assistant

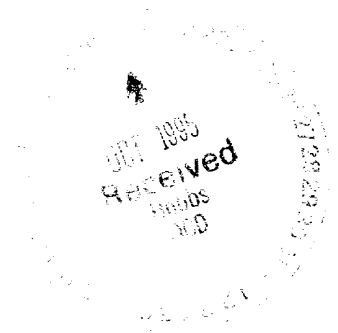
Printed Name and Title

10/17/95

DATE

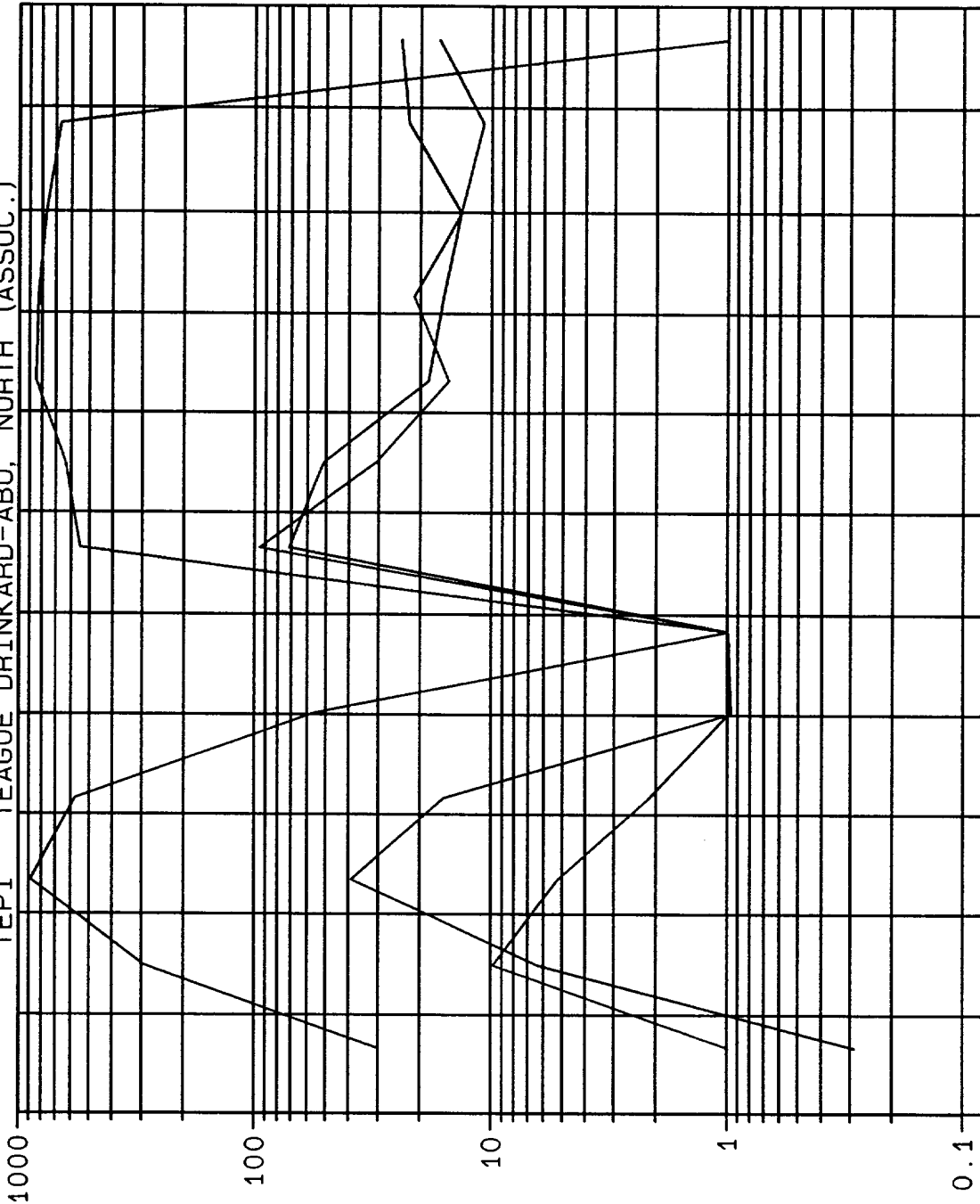
397-0426

Telephone No.



HARRISON, B. F. - B - 15 TEAGUE DRINKARD-ABO, NORTH (ASSOC.)

TEPI TEAGUE DRINKARD-ABO, NORTH (ASSOC.)



LEASE DATA
LSE 010960
FLD 96313
OPER TEPI
ZONE 96313
--
COUNTY 25
STATE 30

STATUS 8-95
CO 8 MBO
CG 186 MMCF
CW 7 MBW
BOPD 24
BWPD 17
MCFPD 0
WELLS 1
CI 0 MBWI
BWIPD 0

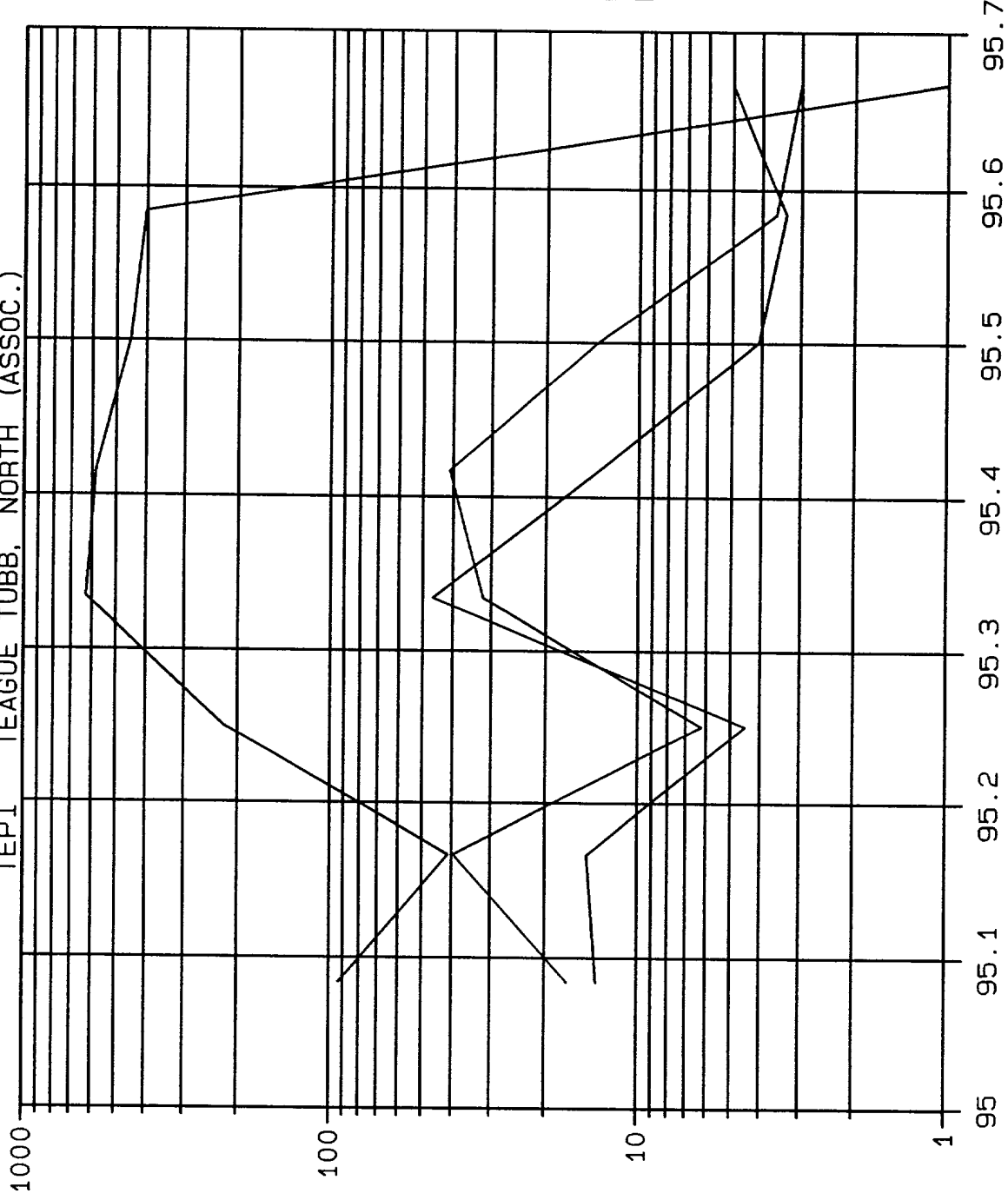
BOPD
BWPD
MCFPD

YEARS



HARRISON, B. F. - B - 15 TEAGUE TUBB, NORTH (ASSOC.)

TEPI TEAGUE TUBB, NORTH (ASSOC.)



LEASE DATA
LSE 01 09 60
FLD 96 31 5
OPER TEPI
ZONE 96 31 5

COUNTY 25
STATE 30

STATUS 8-95
CO 3 MB O
CG 74 M MCF
CW 5 MB W
BOPD 5
BWPD 3
MCFPD 0
WELLS 1
CI 0 MB W I
BWIPD 0

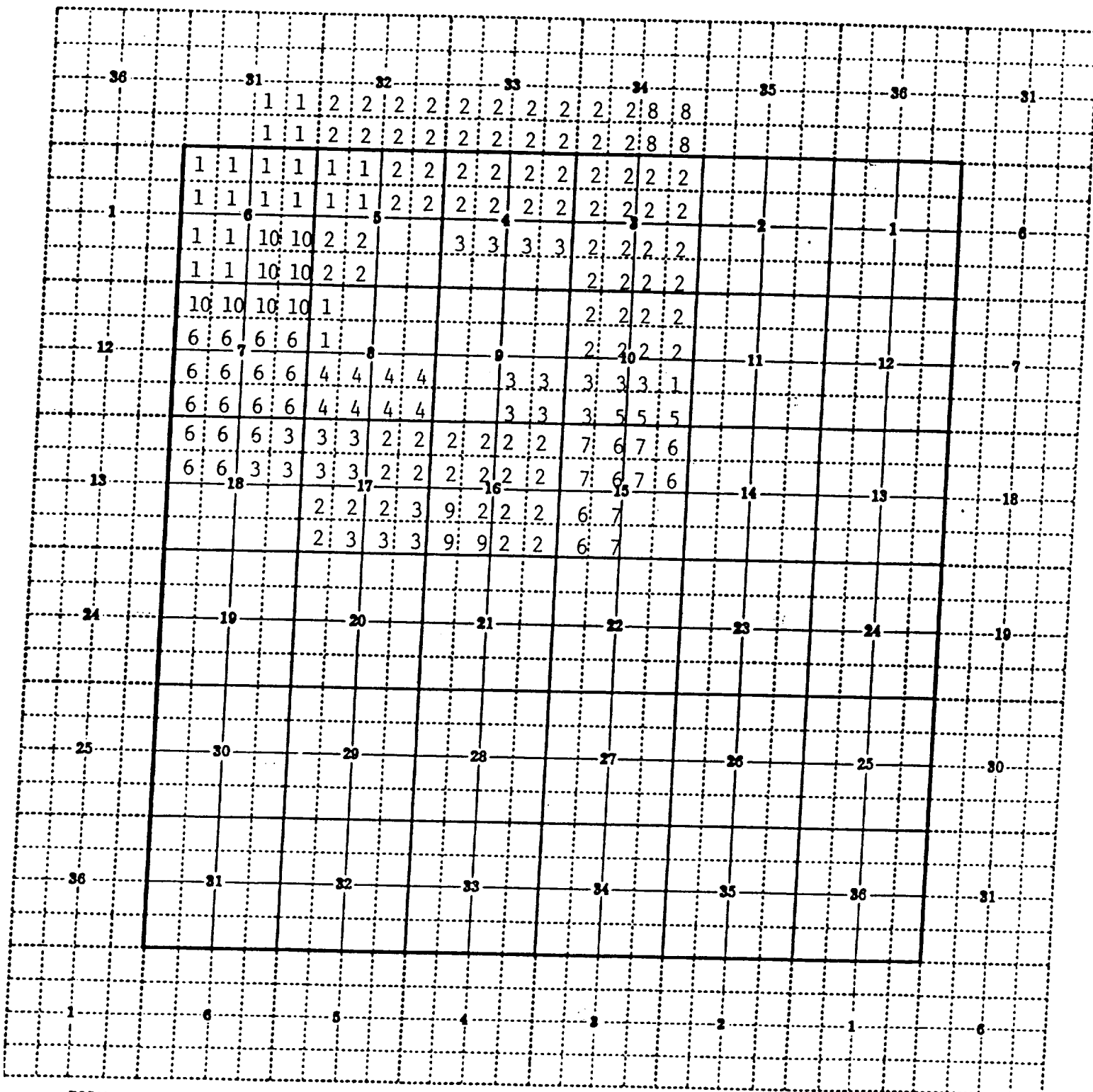
YEARS



OFFSET OPERATOR OWNERSHIP
TEAGUE NORTH FIELD
(BLINEBRY, TUBB, DRINKARD, ABO FORMATIONS)
S/2 S/2 OF SECTION 4, SE/4 OF SECTION 5,
NE/4 & E/2 NW/4 OF SECTION 8, W/2 & NE/4 OF SECTION 9
T-23-S, R-37-E, NMPM
LEA COUNTY, NEW MEXICO
MAY 25, 1994



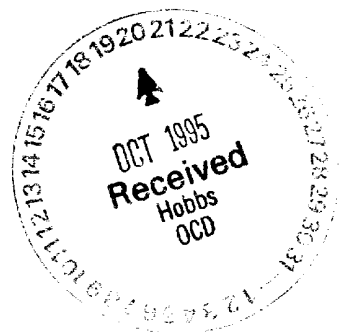
OFFSET OPERATOR OWNERSHIP
 TEAGUE NORTH FIELD
 (BLINEBRY, TUBB, DRINKARD, ABO FORMATIONS)
 S/2 S/2 OF SECTION 4, SE/4 OF SECTION 5,
 NE/4 & E/2 NW/4 OF SECTION 8, W/2 & NE/4 OF SECTION 9
 T-23-S, R-37-E, NMPM
 LEA COUNTY, NEW MEXICO
 MAY 25, 1994





OFFSET OPERATOR OWNERSHIP
TEAGUE NORTH FIELD
(BLINEBRY, TUBB, DRINKARD, ABO FORMATIONS)
S/2 S/2 OF SECTION 4, SE/4 OF SECTION 5,
NE/4 & E/2 NW/4 OF SECTION 8, W/2 & NE/4 OF SECTION 9
T-23-S, R-37-E, NMPM
LEA COUNTY, NEW MEXICO
MAY 25, 1994

<u>TRACT</u>	<u>OPERATOR</u>
1	Unleased Minerals
2	Texaco Exploration and Production Inc.
3	Samedan Oil Corporation
4	Atlantic Richfield Company Amerada Hess Corporation
5	Ledbetter Resources Company
6	Conoco Inc., Amoco Production Company, Atlantic Richfield Company, Chevron USA Inc.
7	Conoco Inc., Fina Oil & Chemical Company
8	Anadarko Petroleum Corp., Exxon Company USA
9	Arch Petroleum Inc. New York Life Oil & Gas Partnerships
10	Sun Operating Ltd. Partnership



P 622 723 748

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to

Street & Number

Post Office, State, & ZIP Code

Postage

Certified Fee

Special Delivery Fee

Restricted Delivery Fee

Return Receipt Showing to Whom

Date & Addressee's Address

TOTAL Postage & Fees

Postmark or Date

SAVEDAN OIL CORP.

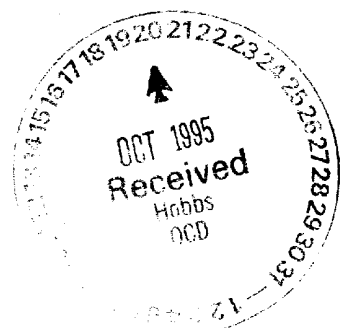
1700 WETHERBURN

SUITE 250

HAUSTON, TX

77067

\$



CURRENT

TEXACO EXPL & PROD
HARRISON B F "B" NO. 15
API# 30-025-32496

0 - 1180' CEMENT CMT CIRC.

1500 - 7800' CEMENT TOC BY TS

6119 - 6236' PERFS (TUBB 58'/116 holes)

6370 - 6498' PERFS (U. DR. 54'/108 holes)

6530 - 6588' PERFS (L. DR. 32'/64 holes)

6641 - 6788' PERFS (U. ABO 62'/124 holes)

6838 - 7100' PERFS (L. ABO 72'/72 holes)

7612 - 7800' CEMENT PLUG

KH ELEV: 3338'

PBTD: 7612'

TD: 7800'

0 - 1180' 12.25" OD HOLE

0 - 1180' 9.625" OD 36.00#/ft J-55 SURF CSG

500 FSL & 500 FTL
SEC 5, T1N 23 S, R1W 37 E
ELEVATION: 3325 GR
COMPLETION DATE: 07-27-94

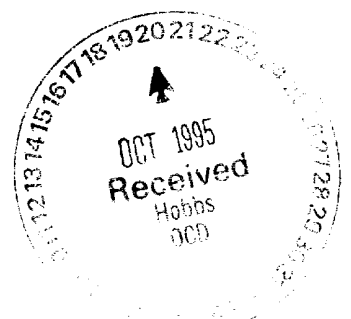
07-14-94 PERF L ABO 6838-7100' (72' NET / 72 HOLES)
A/ 3K GALS 15K
F/ 70K GAL XL WTR & 40K# 20/40 OTTAWA (SCREENED)
FL 25 BD, 18 BLY, 300 MCF
PERF U. ABO 6041-6788' (62' NET / 124 HOLES)
A/ 15K GALS 650M. D32 FDM 200 MCL (6.7K GAL 20K)
U. ABO FL 20 BD, 70 BLY, 175 MCFD (30# FIP)
08-17-94 PERF L DRINKARD 6530-6588' (32' NET / 64 HOLES)
A/ 1.6K GALS 15K FL 6 BLY, 66 BHPD (545 MD US)
PERF U. DRINKARD 6370-6498' (54' / 108 HOLES)
A/ 2.7K GALS 15K
F/ 63K GAL XL WTR & 20K# 20/40 OTTAWA SD
FL 67 BD, 94 BLY, 423 MCFD (500# FIP 22/64 UK)
DNC DRINKARD-ABO: FL 85 BD, 54 BLY, 1644 MCFD
11-17-94 PERFOR TUBB 6119-6236' (58' NET / 116 HOLES)
A/ 5K GALS 15K
F/ 45.6K GALS XL WTR & 112K# 20/40 SD (50) TEST
12-10-94 RE-ACIDIZE / TRAC TUBB
A/ 5K GALS 15K
RE-F/ 46.5K GALS XL WTR & 127K# 20/40 OTTAWA
FL (PL) 14 BD, 17 BLY, 317 MCFD (123# FIP 20/64)
PLACED ON DUAL PRODUCTION IN TUBB & DRINKARD-ABO.

0 - 6040' 2.063" OD 3.64#/ft L-80 TBC (PL-TUBB STR.)
6010 - 6012' SEATING NIPPLE

0 - 6300' 2.375" OD 4.70#/ft L-80 TBC (DR-ABO STR.)
6300 - 6306' LATCH-IN PACKER

1180 - 7800' 8.5" OD HOLE

0 - 7800' 7" OD 26.00#/ft L-80 PROD CSG (23# J-55 ON TOP)



PROPOSED :
DOWNHOLE COMMINGLE ZONES

TEXACO EXPL & PROD
HARRISON B F "B" NO. 15
API# 30-025-32496

0 - 1180' CEMENT CMT CIRC.

1500 - 7800' CEMENT TOC BY TS

0 - 1180' 12.25" OD HOLE

0 - 1180' 9.625" OD 36.00#/ft J-55 SURF CSG

500 FSL & 500 FEL
SEC 5, T1N 23 S, RANGE 37 E
ELEVATION: 3325 GR
COMPLETION DATE: 07-27-94

07-14-94 PERF L. ABO 6838-7100' (72" NET / 72 HOLES)
A/ 3K GALS 15%
F/ 70K GAL XL WTR & 40K# 20/40 OTTAWA (SCREENOUT)
FL 23 BD, 18 BLY, 360 MCF
PERF U. ABO 6641-6788' (62" NET / 124 HOLES)
A/ 15K GALS 650M. D32 FROM 200' H2L (6.7K GAL 30%)
U. ABO FL 20 BD, 70 BLY, 175 MCFD (30% FIP)
08-17-94 PERF L. DRINKARD 6530'-6588' (32" NET/64 HOLES)
A/ 1.6K GALS 15% FL 6 BOPD, 65 BHPD (GAS NO WS)
PERF U. DRINKARD 6370-6498' (54" NET HOLES)
A/ 2.7K GALS 15%
F/ 63K GAL XL WTR & 20K# 20/40 OTTAWA S2
FL 67 BD, 94 BLY, 423 MCFD (500% FIP 22/64 D3)
DHC DRINKARD-ABO. FL 25 BD, 54 BLY, 1644 MCFD
11-17-94 PERFOR TUBES 6119'-6236' (58" NET / 116 HOLES)
A/ 3K GALS 15%
F/ 45.6K GALS XL WTR & 112K# 20/40 S2 (50) TEST
12-10-94 RE-ACIDIZE/FRAC TUBES
A/ 3K GALS 15%
RE-F/ 46.5K GALS XL WTR & 127K# 20/40 OTTAWA
FL (PL) 14 BD, 17 BLY, 317 MCFD (123% FIP, 28/64)
PLACED ON DUAL PRODUCTION IN TUB & DRINKARD-ABO.
12-15-95 PLACE ON ROD PUMP & DOWNHOLE COMMINGLE ALL
TUBES & DRINKARD-ABO PRODUCTION

1180 - 7800' 8.5" OD HOLE

0 - 7230' 2.375" OD 4.70#/ft L-80 TBG
7200 - 7202' SEATING NIPPLE

0 - 7800' 7" OD 26.00#/ft L-80 PROD CSG (23# J-55 ON TOP)

6119 - 6236' PERFS (TUBES 58"/116 holes)
6370 - 6498' PERFS (U. DR. 54"/108 holes)
6530 - 6588' PERFS (L. DR. 32"/64 holes)
6641 - 6788' PERFS (U. ABO 62"/124 holes)
6838 - 7100' PERFS (L. ABO 72"/72 holes)

7612 - 7800' CEMENT PLUG

KB ELEV: 3338'
PBTD: 7612'
TD: 7800'

