



Oryx Energy Company
13155 Noel Road
Dallas TX 75240-5067
PO Box 2880
Dallas TX 75221-2880
214 715 4000

February 16, 1994

State of New Mexico
Oil Conservation Division
P.O. Box 2088
310 Old Santa Fe Tr.
Santa Fe, New Mexico 87501

Attn: Michael Stogner,
Hearing Examiner & Petroleum Engineer

*Amend
DHP-802*

Re: Request to Downhole Commingle the
Drinkard Glorieta & Blinebry Tubb
Formation
J. A. Akens #12
660' FSL & 330 FEL, Sec 3, T21S, R36E
Lea County, New Mexico

Dear Mr. Stogner,

Oryx Energy Company request administrative approval for an exception to Rule 303-A to permit the downhole commingling of production from the Glorieta Formation and the Blinebry Tubb Formation in the above referenced well. The well currently produces 7 BOPD and 110 MCFPD from the Drinkard Blinebry Tubb Formation perforations of 5828 to 6880, and is on artificial lift. Oryx intends to perf the well at 5204 to 5330 as per the attached procedure. Oryx is proposing to allocate the production between the two zones by calculating the difference between what the well currently produces and what the production is after commingling the two zones.

The fluids from each of these zones is compatible and will not result in any precipitates which might damage either zone. The total value of the oil and gas produced will be equal to the value of the same if produced individually. Both zones have identical ownership (working interest, royalty, and overriding royalty).

A plat of the subject lease, a wellbore schematic, a summary of the well's history, a production curve and a C-116 for the Hardy Tubb Drinkard formation are attached.

All offset operators have been notified by registered mail by a copy of this application. (See attached list)

Sincerely,

ORYX ENERGY COMPANY

ROD L. BAILEY - PRORATION ANALYST
(214) 715-4828

WOPR.D25A1020

PAGE 1
12/01/94

RYX ENERGY COMPANY
WELLBORE WORK HISTORY
ALL ACTIVITY REPORTED FOR THE JOBS
ONSHORE REGION
JOBS FOR AREA: 7

J A AKENS #12

DWO, ACIDIZE, PERF, OTHER

4/ 5-1/2" CSG @ 7000'/ FBTD @ 6945'/ OIL CENTER FLD/ LEA CNTY, NM/ WI 1.000/
II 0.870/ PERFS 5828'-5866'/ FORM BLINEBRY/ PERFS 6684'-6880'/ FORM DRINKARD/
PERFS 6554'-6654'/ FORM TUBB/ PN 401150/ AFE 11803/ ORYX 004612/
PERFS 5204'-5330'/ FORM GLORIETA/

05/18/94

*** FIRST REPORT ***

1/ MIRU WO RIG 5-17-94/ POH W/RODS & PUMP/ ND WH/ NU BOP/ POH W/2-7/8" PROD
TBG/ SDFN/ PREP TO ADD PERFS/

AFE	TANGIBLE	INTANGIBLE	TOTAL
11803 ESTIMATE \$	0	26000	26000
11803 05/18/94	0	1500	1500
11803 TODATE \$	0	1500	1500

05/19/94

2/ KILL WELL W/90 BBLs 2% KCL WTR/ RU WEDGE WL/ RIH W/4" CSG GUN & PERF
GLORIETA 5204'-40', 5264'-82', 5322'-30'/ PERF DRINKARD 6684'-88',
6702'-14', 6729'-34'/ 2 SPF/ 166 HOLES/ 23 GC/ RD WEDGE WL/ TIH W/5-1/2" RBP
& PKR ON 2-7/8" TBG/ SET RBP @ 6737'/ SET PKR @ 6673'/ SDFN/

AFE	TANGIBLE	INTANGIBLE	TOTAL
11803 05/19/94	0	9090	9090
11803 TODATE \$	0	10590	10590

05/20/94

RU HOWCO/ ACIDIZE DRINKARD PERFS 6684'-6734' DOWN 2-7/8" TBG W/1000 GALS 15%
NEHCL + 50 RCNBS SPACED THRUOUT/ FLUSH W/40 BBS 2% KCL WTR/ MP 87/ MIN TP
VAC/ ISIP VAC/ AIR 6.4 BPM/ -64 BLAW/ SWAB 2 HRS/ REC 52 BLAW, O BO/ FL
3600'-4800'/ RLSE PKR/ LATCH RBP @ 6737'/ RESET RBP @ 5413'/ TEST RBP TO
3500#-OK/ RESET PKR @ 5139'/ TEST ANN TO 1000#/ HOWCO ACIDIZE GLORIETA PERFS
5204'-5330' DOWN 2-7/8" TBG W/3000GALS 15% NEHCL + 100 RCNBS SPACED THRUOUT/
FLUSH W/35 BBLs 2% KCL WTR/ MP 2350/ MIN TP 2200/ AP 2250/ AIR 7.2 BPM/ ISIP
1045/ 15 MIN SIP 0/ SWAB 3 HRS/ REC 3 BO, 65 BLAW/ FL 1400'-4700'/ -69 BLAW/
SDFN/

AFE	TANGIBLE	INTANGIBLE	TOTAL
11803 05/20/94	0	11528	11528
11803 TODATE \$	0	22118	22118

05/21/94

RLS PKR & LOWER & LATCH RBP/ POH W/2-7/8" TBG, PKR & RBP/ TIH W/2-7/8" PUMP
SETUP/ TS @ 6905'/ SN @ 6871'/ TAC @ 5155'/ ND BOP/ NU WH/ RIH W/1-1/4" PUMP
ON 76 RS/ RR 5-20-94/ START WELL PUMPING 7 SPM X 120" X 1-1/4"/

AFE	TANGIBLE	INTANGIBLE	TOTAL
11803 05/21/94	0	4950	4950
11803 TODATE \$	0	27068	27068

05/22/94

24 HRS PWOW/

AFE	TANGIBLE	INTANGIBLE	TOTAL
11803 05/22/94	0	0	0
11803 TODATE \$	0	27068	27068

CRYX ENERGY COMPANY
MILBORE WOR HISTORY
ALL ACTIVITY REPORTED FOR THE JOBS
ONSHORE REGION
JOBS FOR AREA: 7

J A AKENS #12

05/23/94

24 HRS PWOW/

AFE	TANGIBLE	INTANGIBLE	TOTAL
11803 05/23/94	0	0	0
11803 TODATE \$	0	27068	27068

05/24/94

P 24 HRS/ 0 BO, 31 BW, 0 MCF/

AFE	TANGIBLE	INTANGIBLE	TOTAL
11803 05/24/94			0
11803 TODATE \$	0	27068	27068

05/25/94

P 24 HRS/ 0 BO, NO WTR MEAS, 0 MCF/ FL 4317' FROM SURF/ 2554' ON SN/

AFE	TANGIBLE	INTANGIBLE	TOTAL
11803 05/25/94	0	0	0
11803 TODATE \$	0	27068	27068

05/26/94

P 24 HRS/ 0 BO, 5 BW, 58 MCF/

AFE	TANGIBLE	INTANGIBLE	TOTAL
11803 05/26/94	0	0	0
11803 TODATE \$	0	27068	27068

05/27/94

P 24 HRS/ 0 BO, 8 BW, 36 MCF/

AFE	TANGIBLE	INTANGIBLE	TOTAL
11803 05/27/94	0	0	0
11803 TODATE \$	0	27068	27068

05/28/94

P 24 HRS/ 0 BO, 1 BW, 30 MCF/

AFE	TANGIBLE	INTANGIBLE	TOTAL
11803 05/28/94	0	0	0
11803 TODATE \$	0	27068	27068

05/29/94

P 24 HRS/ 1 BO, 1 BW, 30 MCF/

AFE	TANGIBLE	INTANGIBLE	TOTAL
11803 05/29/94	0	0	0
11803 TODATE \$	0	27068	27068

05/30/94

P 24 HRS/ 0 BO, 1 BW, 52 MCF/

AFE	TANGIBLE	INTANGIBLE	TOTAL
11803 05/30/94	0	0	0
11803 TODATE \$	0	27068	27068

05/31/94

P 24 HRS/ 4 BO, 11 BW, 63 MCF/

AFE	TANGIBLE	INTANGIBLE	TOTAL
11803 05/31/94	0	0	0
11803 TODATE \$	0	27068	27068

RYX ENERGY COMPANY
WILLBORE WOR HISTORY
ALL ACTIVITY REPORTED FOR THE JOBS
ONSHORE REGION
JOBS FOR AREA: 7

J A AKENS #12

06/01/94

P 24 HRS/ 11 BO, 5 BW, 73 MCF/

AFE	TANGIBLE	INTANGIBLE	TOTAL
11803 06/01/94	0	0	0
11803 TODATE \$	0	27068	27068

06/02/94

P 24 HRS/ 8 BO, 8 BW, 63 MCF/

AFE	TANGIBLE	INTANGIBLE	TOTAL
11803 06/02/94	0	0	0
11803 TODATE \$	0	27068	27068

06/03/94

P 24 HRS/ 11 BO, 11 BW, 52 MCF/

AFE	TANGIBLE	INTANGIBLE	TOTAL
11803 06/03/94	0	0	0
11803 TODATE \$	0	27068	27068

06/04/94

P 24 HRS/ 6 BO, 8 BW, 52 MCF/

AFE	TANGIBLE	INTANGIBLE	TOTAL
11803 06/04/94	0	0	0
11803 TODATE \$	0	27068	27068

06/05/94

NO REPORT/

AFE	TANGIBLE	INTANGIBLE	TOTAL
11803 06/05/94	0	0	0
11803 TODATE \$	0	27068	27068

06/06/94

NO REPORT/

AFE	TANGIBLE	INTANGIBLE	TOTAL
11803 06/06/94	0	0	0
11803 TODATE \$	0	27068	27068

06/07/94

P 24 HRS/ 11 BO, 10 BW, 87 MCF/*DROP FROM REPORT PENDING EVALUATION*

AFE	TANGIBLE	INTANGIBLE	TOTAL
11803 06/07/94	0	0	0
11803 TODATE \$	0	27068	27068

11/30/94

*** FINAL REPORT ***

PREVIOUS TEST RESULTS OIL: MCF: WTR:

FINAL TEST RESULTS OIL: 8 MCF: 107 WTR: 10

DROPPED FROM REPORT 6-7-94 PENDING FURTHER EVALUATION NO FURTHER WORK

PLANNED/ P 24 HRS/ 8 BO, 10 BW, 107 MCF/*FINAL REPORT*

AFE	TANGIBLE	INTANGIBLE	TOTAL
11803 ESTIMATE \$	0	26000	26000
11803 11/30/94	0	0	0
11803 TODATE \$	0	27068	27068

OIL CONSERVATION DIVISION
RECEIVED

FEB 16 1994



Oryx Energy Company
13155 Noel Road
Dallas TX 75240-5067
PO Box 2880
Dallas TX 75221-2880
214 715 4000

February 16, 1994

State of New Mexico
Oil Conservation Division
P.O. Box 2088
310 Old Santa Fe Tr.
Santa Fe, New Mexico 87501

Attn: Michael Stogner,
Hearing Examiner & Petroleum Engineer

Re: Request to Downhole Commingle the
Drinkard Glorieta & Blinebry Tubb
Formation
J. A. Akens #12
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Lea County, New Mexico

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Sincerely,
ORYX ENERGY COMPANY

ROD L. BAILEY - PRORATION ANALYST
(214) 715-4828

GOA

6000 HARDY TUBB - DRINKARD
4000 OIL CENTER BLINEBRY 5.6K
OIL CENTER GLORIETA 5.6K

DEPT
6-7K

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. 30-025-29514
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name J. A. AKENS
8. Well No. 12
9. Pool name or Wildcat HARDY TUBB DRINKARD
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3553 GL

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 ORYX ENERGY COMPANY
3. Address of Operator P.O. BOX 2880, DALLAS, TX 75221-2880
4. Well Location Unit Letter X : 660 Feet From The SOUTH Line and 330 Feet From The EAST Line Section 3 Township 21S Range 36E NMPM LEA
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3553 GL

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: ☐

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.

ADD DRINKARD GLORIETA PERFS 5204-5330 AND COMMINGLE WITH CURRENT PRODUCING ZONE OF
BLINEBRY/TUBB/DRINKARD PERFS 5828-6880.

SEE ATTACHED PROCEDURE.

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

SIGNATURE Rod L. Bailey TITLE PRORATION ANALYST DATE 02/24/94
TYPE OR PRINT NAME ROD L. BAILEY TELEPHONE NO. 214 715-4828

(This space for State Use)

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

CHEVRON	CONOCO	4	A.R.CO. "L"	CHEVRON	3	AMERADA
12-62 11-62 3545 26 6040 6-71 11-72 3567 12 6050	7-62 3546 20 6271 2-65 3534 27 5990 10-62 3540 22 6350 11-62 3551 24 6330 5-67 3580 19 6050 3-63 3594 25 6300 3-72 3587 28 6335 8-63 3574 21 6265 6-65 (13) 3596 2581 6025 11-62 3595 23 6350 "Meyer" U.S.	10-63 3535 17 6000 2-85 3543 11 6049 8-63 3539 6 6035 3-83 3554 10 7007 2-63 3576 5 6307 10-79 3578 12 6300 6-43 3572 7 6300 8-63 3589 1 6300 11-78 3597 10 6319 SUN - SKELLY SUN "A" 8-63 3585 14 6300 1-85 3587 12 7000 TYPE LOG 8-63 3570 11 6300 9-80 3562 11 6300 11-63 3553 9 6296 PROP. LOC. 3542 13 6950 2-85 3539 7 6900 8-63 3544 1 6000 4-65 3533 5 5980	11-82 3532 7 6127 ME-TEX	7-84 3535 4 6784 3-82 3526 2 6936 7-72 3530 1 6961 2-84 3536 3 6929 8-90 3545 5 6900 JANDA CHEVRON "G" (CITIES SERVICE)	AMERADA EL PASO SHELL - STATE CHEVRON	
Bell Ramsey CHEVRON	CONOCO A.R.CO. 5-74 3602 11 6400	9 EXXON CHEVRON 9-43 3584 1 6180 10-64 3599 9 5960	J.A. Atkins EXXON 10-63 3572 1 6220 11-63 3589 10 6230	Stat CHEVRON 1-82 3551 4 6920 "C" 10-81 3556 3 6400 "Bell" A.R.CO. TWO STATES 11-81 3577 6 6200 "B" 351 CONOCO 2-64 3596 11 6225 2-81 3589 15 7120	CHEVRON 1-82 3551 4 6920 "C" 10-81 3556 3 6400 "Bell" A.R.CO. TWO STATES 11-81 3577 6 6200 "B" 351 CONOCO 2-64 3596 11 6225 2-81 3589 15 7120	

J. A. AKENS #12
LEA COUNTY, NEW MEXICO
OFFSET OPERATOR LISTING

CHEVRON U.S.A.
P.O. BOX 3108
FARMINGTON, NEW MEXICO 87499

EXXON COMPANY U.S.A.
P.O. BOX 1600
MIDLAND, TEXAS 79702

ME-TEX SUPPLY COMPANY, INC.
401 W. TAYLOR
HOBBS, NEW MEXICO 88240

CONOCO INC.
3817 NW EXPWY., STE 400
OKLAHOMA CITY, OKLAHOMA 73018

ARCO OIL AND GAS COMPANY
P.O. BOX 1610
MIDLAND, TEXAS 79701

WELLWORK COST ESTIMATE & PROCEDURE

LEASE: J. A. AKENSWELL: 12AFE #: 11803

STATEMENT OF PROBLEM OR WORK RECOMMENDED

ADD DRINKARD - GLORIETA PERFS AND COMMINGLE WITH BLINEBRY-TUBB- AND CURRENT DRINKARD PERFS. EXPECT 15 BOPD + 100 MCFD ADDITIONAL PRODUCTION. PAYOUT IS 82 DAYS.

BEFORE WO

AFTER WO

WELL CLASSIFICATION:	OIL	OIL
RESERVOIR NAME:	BLINEBRY/TUBB/DRINK.	BLINEBRY/TUBB/DRINK./GLORIETA
PERFORATIONS (EL):	(5828-6880)	(5204-5330)
PERFORATION (R/A):		(5828-6880)
ALLOWABLE, B/D		
DATE:	1/94	
PRODUCTION METHOD:	PE	PE
TUBING PRESSURE & CHOKE SIZE:		
OIL/ BPD:	7	22
WATER, BPD:	1	1
GAS, MCF:	110	210
INPUT GOR & GFR:		
LAST BHP & DATE:		
LAST PROD INDEX & DATE:		

RESERVES DEVELOPED (GAS & OIL)

BO

MMCF

% RISK

ESTIMATED INCOME PER DAY

ANTICIPATED OIL/COND., BBLS	22	CURRENT INCOME	325
ANTICIPATED GAS, MCF	210	ADD. GROSS INCOME (8/8THS)	425
PRICE OIL:	\$15.00/BBL	ORYX'S ADD. INCOME.875	372
PRICE GAS:	\$2.00/MCF	LESS ORYX'S LIFTING COST	
ANTIC. OIL COND.,INCOME	330	@ \$E/I = .15	56
ANTICIPATED GAS INCOME	420	ORYX'S NET ADD. INCOME	316
ANTICIPATED TOTAL INCOME:	750	ORYX'S PAYOUT IN DAYS	82

J. A. AKENS NO. 12

WELL HISTORY

LOCATION: 660' FSL & 330' FEL, UNIT "X", SEC. 3, T-21-S, R-36-E,
DRINKARD FIELD, LEA COUNTY, NEW MEXICO

ELEVATIONS: KB - 3567' GL - 3553'

DEPTHS: TD - 7000' CS - 7000' PBTD - 6945'

SPUDDED: 12/03/85 COMPLETED: 1/21/86

CSG DATA: SURFACE - 13-3/8" 48# H-40 ST&C CSG. CS $\pm$ 407'.
CMTD W/ 450 SX CLASS "C". CIRC 10 SX TO SURFACE.
INTERMEDIATE - 8-5/8" 24# K-55 ST&C CSG. CS $\pm$ 2700'.
CMTD W/ 1350 SX. CIRC 300 SX TO SURFACE.
PRODUCTION - 5-1/2" 15.5 & 14.0# K-55 ST&C CSG. CS $\pm$ 7000'.
CMTD W/ 1100 SX. DID NOT CIRC.
TOC $\pm$ 1200' VIA TEMP SURVEY.

LOGS AVAILABLE:

1. DRESSER-ATLAS GR/CNL-FDC LOG DATED 12/20/85 FROM 6996' TO SURF.
2. DRESSER-ATLAS GR/DUAL INDUCTION LOG DATED 12/20/85 FROM 6997-2698'.
3. DRESSER-ATLAS GR/CCL DATED 1/06/86 FROM 6950-5000'.

WELL HISTORY:

1/03/86 BEGAN COMPLETION. RIH W/ BIT & SCRAPER TO 6945' (PBTD). CIRC HOLE CLN W/2% KCL. PERF DRINKARD SET I 6864-80', 1 JSPF, TOTAL 17 HOLES. HOWCO ACIDIZED DRINKARD SET I 6864-80' W/3000 GALS 20% NEFE HCL IN 1 STAGE W/34 BS. BDP 3600, MP 4800, MP 2600, AP 3100, FP 2600, ISIP 2300, 15 MIN SIP 2100, AIR 4 BPM, (-157 BLAW). BALLED OUT W/ TP FROM 3200-5000 PSI. 1/2 HR F 0 BO, 10 BLAW, TP 2100 TO 0 PSI. 6-1/2 HRS SWAB 0 BO, 53 BLAW, FL SURF TO 6300, GOOD GAS BLOW.

1/10/86 13 HR SITP 1100 PSI. 1/2 HR F TR COND, 13 BLAW, STRONG GAS, TP 1100-0 PSI. 8 HRS SWAB TR COND, 12 BLAW, STRONG GAS, FL 6000' & SCATTERED. WELL BEGAN FLOWING "WET GAS". TEST GAS THRU TEST SEP 11 HRS, F 6 BO, 0 BW, 404 MCF/D RATE, 24/64" CHK, FTP 240 PSI.

1/11/86 11 HRS F 4 BO, 10 BLW, 480 MCF/D RATE, 24/64" CHK, TP 240-250 PSI.

1/14/86 63 HR SITP 1800 PSI. KILL WELL. POH W/ TBG & PKR. PERF DRINKARD SET II 6786-88, 6794-98, 6802-04, 6811-13, 6819-21, 6826-30 & SET IIA 6740-82, 1 JSPF, TOTAL 65 HOLES. SET RBP @ 6850' (ABOVE SET I).

J. A. Akens No. 12
Well History
Page Two (2)

1/15/86 HOWCO ACIDIZE DRINKARD SET II & IA 6740-6830 W/ 3500 GALS 15% NEFE HCL IN 1 STAGE W/ 100 BS. BDP 1200, MP 3600, MP 3000, AP 3470, FP 3600, ISIP 2500, 15 MIN SIP 1800. AIR 5.3 BPM. BALL ACTION 3300 TO 3600 PSI. 1-1/4 HRS F 0 BO, 21 BLAW, 20/64" CHK, TP 1800 TO 0 PSI. 3-1/2 HRS SWAB 16 BO, 87 BLAW. WELL BEGAN FLOWING. 14-1/2 HRS OVERNITE F 13 BO, 59 BLAW, 26/64" CHK, TP 50-175 PSI, 280 MCF/D.

1/16/86 4 HRS F 7 BO, 6 BLAW, 380 MCF/D RATE, 26/64" CHK, FTP 175 PSI. KILL WELL. POH W/ RBP. RIH W/ PROD PKR & TBG. SWAB WELL IN FLOWING.

1/17/86 11 HRS F 10 BO, 55 BLW, 253 MCF/D RATE, 24/64" CHK, FTP 560 PSI. RLSE RIG.

1/18/86 24 HRS F 25 BO, 59 BLW, 5 BFW, 387 MCF/D, 24/64" CHK, TP 400 PSI.

1/19/86 24 HRS F 22 BO, 33 BW, 472 MCF, 24/64" CHK, TP 425 PSI.

1/20/86 24 HRS F 30 BO, 28 BW, 556 MCF, 24/64" CHK, TP 450 PSI.

1/21/86 I.P.
24 HRS F 25 BO, 26 BW, 623 MCF, GOR 24,920/1, 24/64", TP 475 PSI.

6/25/86 WORKOVER NO. 1: TO FRAC DRINKARD SET II & IIA PERFS. KILL WELL. POH W/ TBG & PKR. SET RBP $\pm$ 6852' (ISOLATE SET II & IIA PERFS). FRAC PERFS 6740-6830 W/ 16,000 GALS VERSAGEL 1500 PAD, 2000 GALS GELLED KCL SPACER, 30,000 GALS VERSAGEL 1400 W/ 50,500 # 20/40 SD AND 500 SCF N²/BBL. BDP 1300, MP 6250, MP 1300, AP 5800, FP 6200, ISIP 3250, 15 MIN SIP 3040. AIR 18 BPM. SI 4 HRS. 4-1/2 HRS F 0 BO, 70 BLW, TP 2200 TO 0 PSI.

6/27/86 7 HRS SWAB TR BO, 152 BLAW, FL 1100-3000, WELL BEGAN FLOWING. 17 HRS F 8 BO, 249 BLW, 3/4" CHK, TP 0 TO 110 PSI.

6/28/86 1 HR F 1 BO, 14 BLW, TP 110 PSI. KILLED WELL. TAG & CLN OUT FILL 6836-6852'. POH W/ RBP. SET PROD PKR & TBG.

6/29/86 16 HRS SITP 1540. 24 HRS F 33 BO, 226 BLW, 577 MCF/D, 48/64" CHK, TP 190 PSI.

6/30/86 24 HRS F 41 BO, 124 BLW, 647 MCF/D, 48/64" CHK, TP 170 PSI.

7/01/86 24 HRS F 27 BO, 33 BLW, 49 BW, 626 MCF, 48/64" CHK, FTP 175 PSI.

J. A. Akens No. 12
Well History
Page Three (3)

10/08/87 WORKOVER NO. 2 TO ADD ADD'L DRINKARD & TUBB PAY AND FRACTURE STIMULATE. KILLED WELL, POH W/TBG, SET RBP @ 6695 & NU 5000 PSI WH. PERF DRINKARD SET III 6554-57, 6576-79, 6584-90, 6594-98, 6616-21, 6624-26 & 6644-54, 1 JSPF, 39 HOLES.

10/10/87 PFT TREAT PERFS 6554-6654 W/3400 GAL NE 2% KCL IN CIRC MODE. SPOT 3000 GALS 20% NEFEHCL TO TOOL. PERFS WOULD NOT BREAK, BLEW OUT STRIPPER RUBBER. DISPLACED ACID. POH. RAN RDG. SWAB 1 HR, REC 0 BO 21 BLAW - WELL BEGAN FLOWING. 12 HR F 1 BO, 49 BLAW, TP 180 PSI.

10/11/87 24 HRS F @ 202 MCF/D RATE.

10/13/87 24 HRS F 14 BO, 0 BW, 240 MCF, 100 PSI FTP. ACIDIZED DRINKARD SET III 6554-6654 W/5000 GALS 20% NEFEHCL + 60 RCNBS. BDP 390 PSI, ISIP 2250, 15 MIN SIP 1500, AIR 6.2 BPM. BALL ACTION 450 TO 3730 PSI. 1 HR SWAB 0 BO, 12 BLAW, FL 0-1800 - WELL STARTED FLOWING. 18 HRS F 17 BO, 14 BLAW, FTP 50 PSI. POH W/TBG & PKR.

10/15/87 FRAC DRINKARD PERFS 6554-6654 DN 5-1/2" CSG W/52000 GALS TFTD-4, 23500 GALS CO2 & 95,000 LBS 20-40 SAND. BDP 3640, MAX 3640, MIN 3370, FP 3640, ISIP 2840, 15 MIN SIP 2080, AIR 38.7 BPM. 2 HR SITP 1750. 17 HRS F 0 BO, 334 BLW, FTP 1750-50.

10/16/87 24 HRS F 3 BO, 315 BLW (-707 BLW) 1% O.C. CO SAND, PULL RBP, RUN PROD TBG & PKR, SWAB IN.

10/19/87 22 HR F 22 BO, 212 BLW, 400 PSI FTP.

10/21/87 23 HR F 58 BO, 219 BLW, 446 MCF, 20/64" CHK, 325# TP.

10/22/87 24 HR F 60 BO, 138 BLW, 446 MCF, 20/64" CHK, 310# TP.

10/23/87 24 HR F 51 BO, 94 BLW, 472 MCF, 20/64" CHK, 300# TP.

10/24/87 24 HR F 58 BO, 42 BLW, 19 BW, 497 MCF, 22/64" CHK, 310# TP.

10/25/87 24 HR F 57 BO, 19 BW, 480 MCF, 22/64" CHK, 220# TP.

10/26/87 24 HR F 55 BO, 11 BW, 497 MCF, 22/64" CHK, 220# TP.

01/15/89 24 HRS F 23 BO, 1 BW, 412 MCF, 100 PSI FTP.

CUMULATIVE PRODUCTION (THRU 12/88): 26700 BO, 475500 MCF

WELL HISTORY CONTINUED

01/91 ACDZ TUBB & DRINKARD (6554-6880) W/ 7500 GALS 85:15 ACID XYLENE 6 BPM @ 1300 PSI. STAGED ACID W/ 3 BLKS OF 300 GALS BRINE W/ 750#, 750#, AND 500# GRS. TST: 16 BO + 56 BW + 148 MCF.

05/91 PERF BLINEBRY (5828-34, 5842-53, 5862-66) ACDZ W/ 600 GALS 15% NE FE HCL + 40,000# CO₂ & PUMP OUT PLUG. TST: 33 BO + 7 BW + 240 MCF.

05/24/91 COMMINGLE ORDER GRANTED BY NMOGC.

01/94 TST P 24 HRS. REC 7 BO + 1 BW + 110 MCFD.

DATE: January 27, 1994

WELL NAME: J. A. AKENS #12

FIELD: OIL CENTER

LOCATION: 660' FSL & 330' FEL SEC 3- T21S - R36E UNIT "X"
LEA COUNTY, NEW MEXICO

DATA

Permanent Zero Point: ZERO = KB = 14' AGL

PBTD: 6945'

Casing Size, Weight, Depth: 5 1/2" 15.5 & 14# K-55 @ 7000'

Tubing Size, Weight, Type, Depth: 2-7/8" 6.5# J-55 @ 6905

Log: TS - 1200'

Perfs (Formation & Depth): BLINEBRY (5828-34, 5842-53, 5862-66)

..... TUBB (6554-57, 6576-79, 6584-90, 6594-98, 6616-21,
..... 6624-26, 6644-54)

..... DRINKARD (6740-82, 6786-88, 6794-98, 6802-04, 6811-13
..... 6819-21, 6826-30, 6864-80)

PROCEDURE

1. MIRU.
2. POH W/ SUCKER ROD STRING & PUMP.
3. ND WELL HEAD.
4. NU BOP.
5. POH W/ 2-7/8" 6.5# J-55 TBG.

6. RU WEDGE. RIH W/ 4" CSG GUN 23 GM CHARGES AND CORRELATE TO ATTACHED DRESSER ATLAS PFG GR-CCL LOG DATED 1-6-85. PERF AS FOLLOWS:

GLORIETA	5204-5240	2SPF	36'	72 HOLES
	5264-5282	2SPF	18'	36 HOLES
	5322-5330	2SPF	8'	16 HOLES
DRINKARD	6684-6688	2SPF	4'	8 HOLES
	6702-6714	2SPF	12'	24 HOLES
	6729-6734	2SPF	5'	10 HOLES
TOTALS		2SPF	83'	166 HOLES

7. RIH W/ 5 1/2" RBP & PKR ON 2-7/8" 6.5# J-55 TBG. SET RBP @ 6736' (VERY TIGHT SPACING WITH PERF @ 6740'). SET PKR @ 6670' TO ISOLATE NEW DRINKARD PERFS (6684-6734).
8. RU HOWCO. ACDZ DRINKARD (6684-6734) DWN 2-7/8" TBG @ 6 BPM EXP TP = 2500 PSI. MAX TP = 3500 PSI. TREAT AS FOLLOWS:
- A) PUMP 1000 GALS 15% NE HCL
 - B) EVENLY DROP 50 BS
 - C) FLUSH W/ 40 BBLS LSW
9. SWB/FLOW BACK ASAP.
10. SAME DAY. REL PKR. RET BP. PULL UP & SET RBP @ $\pm 5400'$. PULL UP ONE JOINT & SET PKR @ $\pm 5370'$. TST RBP TO 3500 PSI. REL PKR. PULL UP & SET PKR @ $\pm 5150'$ TO ISOLATE GLORIETA (5204-5330).
11. SAME DAY. ACDZ GLORIETA (5204-5330) DWN 2-7/8" TBG @ 6 BPM EXP TP = 2500 PSI. MAX TP = 3500 PSI. LOAD BKSD W/ LSW & PRESS TO 1000 PSI DURING TREATMENT. TREAT AS FOLLOWS:
- A) PUMP 3000 GALS 15% NE HCL
 - B) EVENLY DROP 100 BS
 - C) FLUSH W/ 35 BBLS LSW
12. SWB/FLOW BACK LOAD.
13. SWB TO TST REPORT DALLAS.
14. REL PKR. RET BP. POH W/ 2-7/8" TBG PKR & RBP.
15. RIH W/ PUMPING SET UP ON 2-7/8" TBG.
16. ND BOP.
17. NU WELL HEAD.
18. RIH W/ PUMP ON SUCKER ROD STING.
19. POP.
20. RR.

WELL COMPLETION SKETCHES SUN-5036-4-A

WELL

J.A. Akens #12

FIELD

Oil Center

DATE

1-25-94



PRESENT COMPLETION



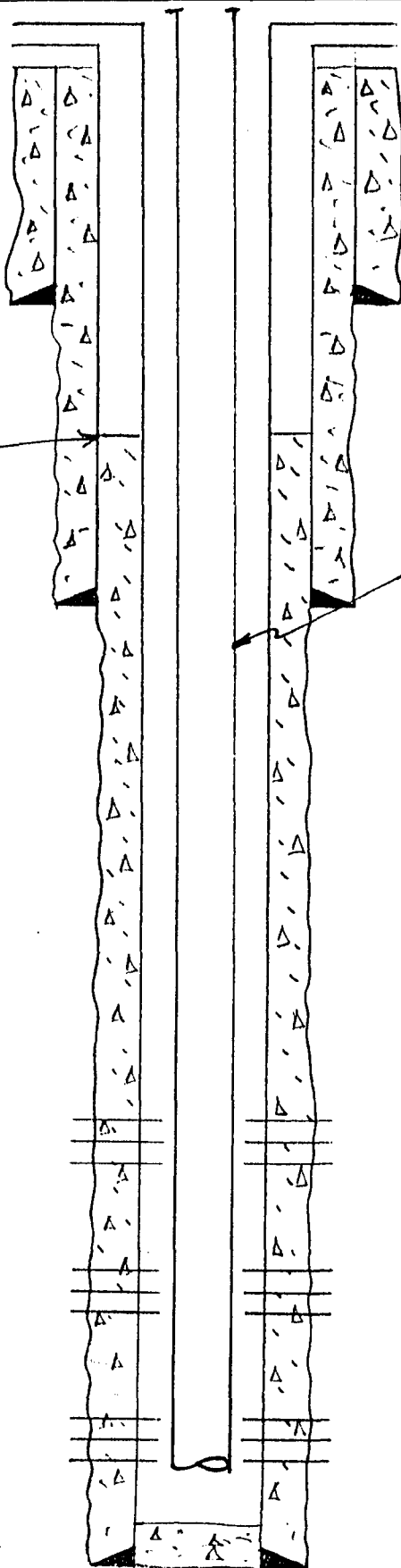
SUGGESTED COMPLETION

PERMANENT WELL BORE DATA

Zero = KB = 14' AGL

13-3/8" 48# H-40 @
407' w/ 450 SXS CIRC

TOC @ 1200' TS

8-5/8" 24# K-55 @ 2700'
w/ 1350 SXS CIRC TO SURF5 1/2" 15.5 # 14# K-55
@ 7000' w/ 1100 SXS CMT

DATA ON THIS COMPLETION

2-7/8" 6.5# J-55 @
± 6905'Blinkey PERFS
(5828 - 5866)Tubb PERFS
(6554 - 6654)Drinkard PERFS
(6740 - 6880)

TD = 7000' PBTD = 6945'

WELL COMPLETION SKETCHES SUN-5036.4-A

WELL

J.A. Akens #12

FIELD

Oil Center

DATE

1-25-94



PRESENT COMPLETION



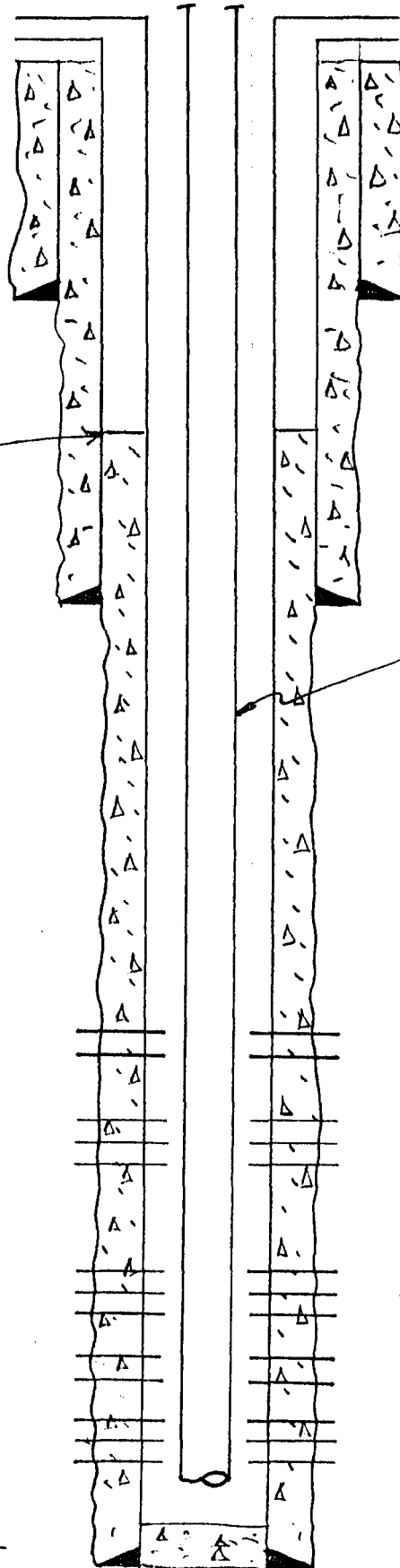
SUGGESTED COMPLETION

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TOC @ 1200' TS

8-5/8" 24# K-55 @ 2700'
w/ 1350 SXS CIRC TO SURF5 1/2" 15.5 # 14# K-55
@ 7000' w/ 1100 SXS CMT

DATA ON THIS COMPLETION

2-7/8" 6.5# J-55 @
± 6905'Glorieta Perfs
(5204 - 5330)Blinberry Perfs
(5828 - 5866)Tubb Perfs
(6554 - 6654)Drinkard Perfs
(6684 - 6734)Drinkard Perfs
(6740 - 6880)

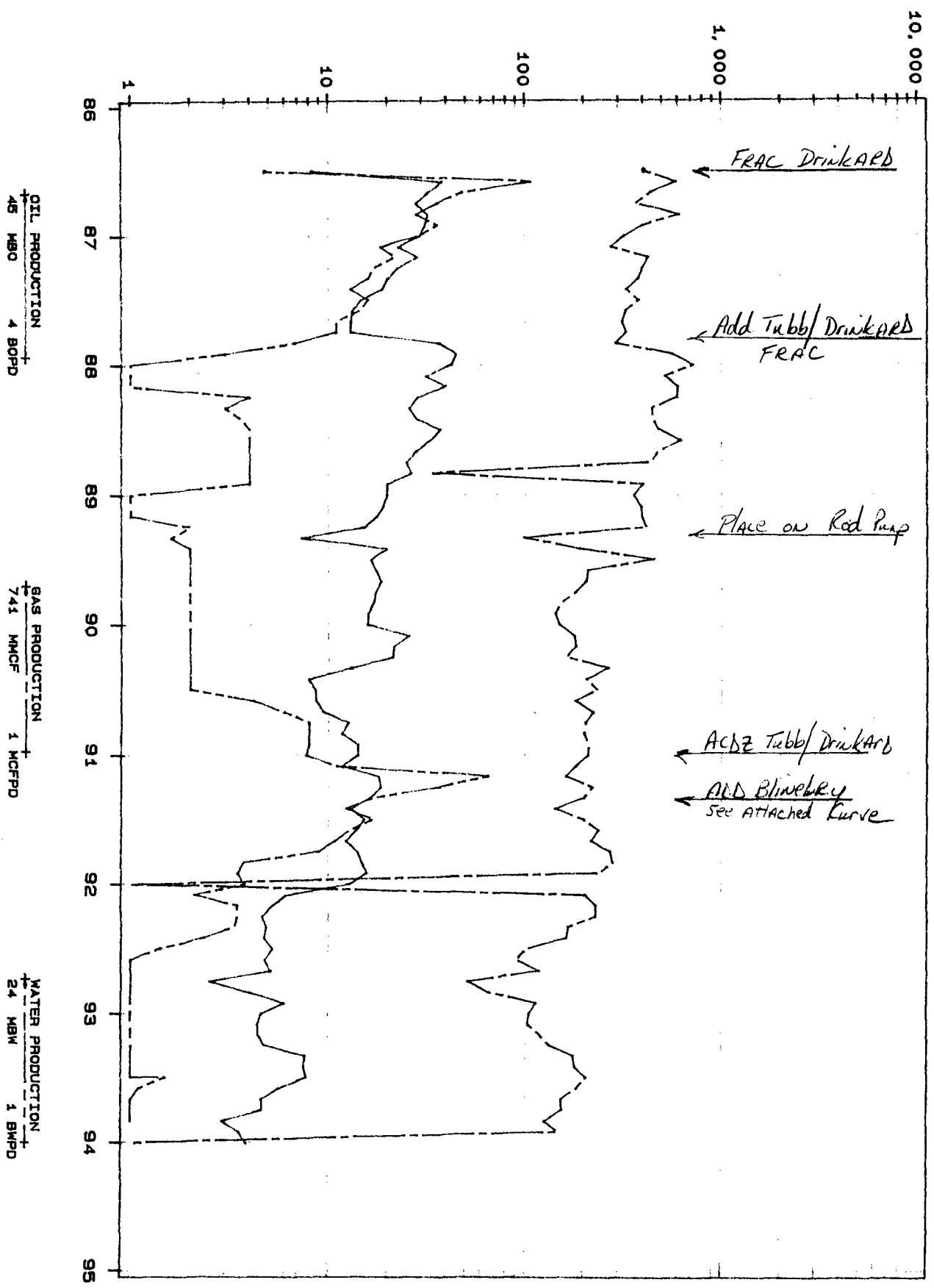
TD = 7000' PBTD = 6945'

401150

AKENS, J. A. # 12L
OIL WELL --- DRINKARD

12L

MONTHLY AVERAGE BOPD BWPD MCFPD



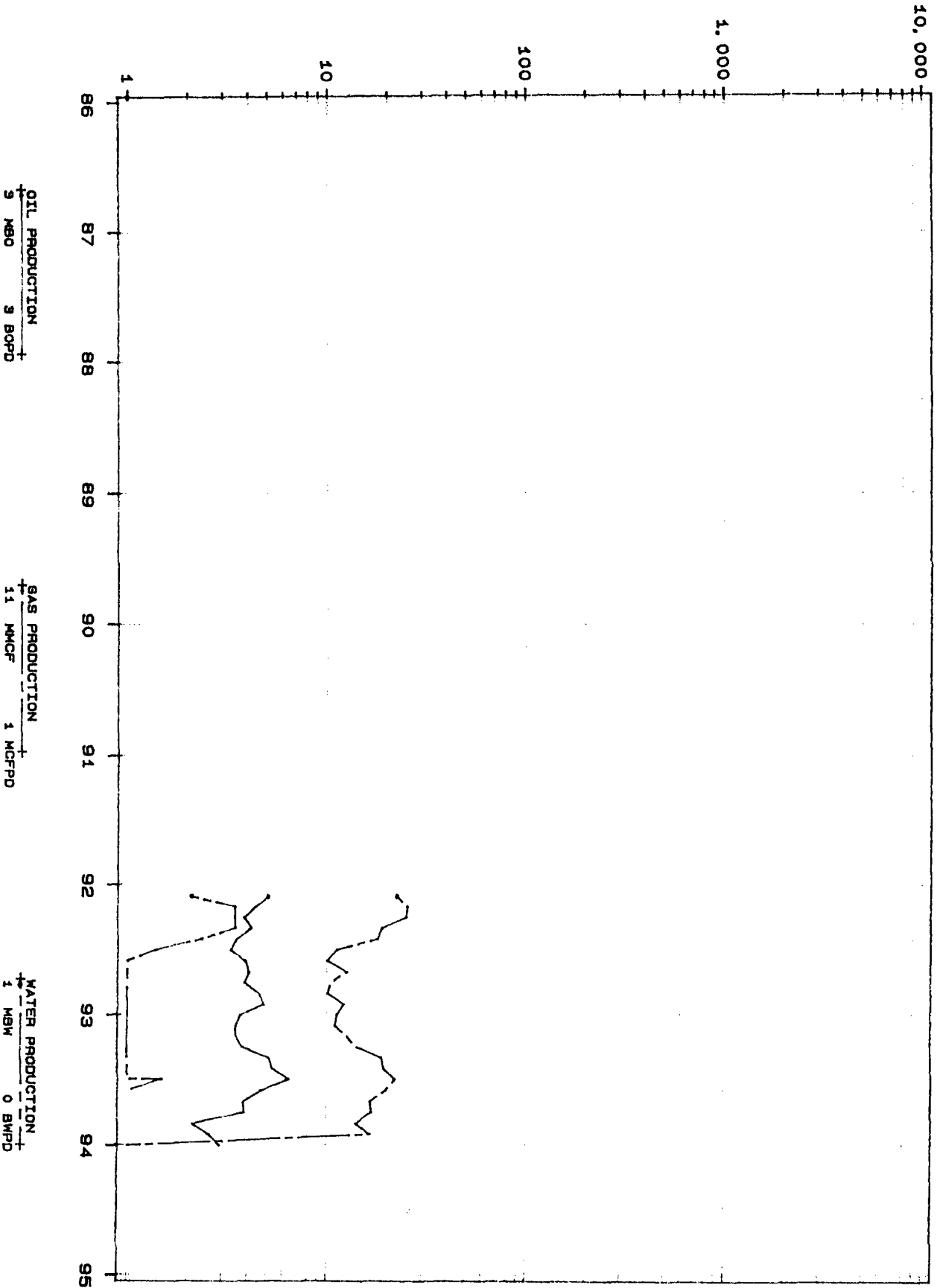
12L

401150

AKENS, J. A. # 12U
OIL WELL --- BLINEBRY

12U

MONTHLY AVERAGE BOPD BOPD MCFPD



12U

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

Operator ORYX ENERGY COMPANY		Pool HARDY TUBB DRINKARD		County LEA										
Address P.O. BOX 2880, DALLAS, TX 75221-2880		TYPE OF TEST - (X)		Completion ☐ Scheduled ☐ Special ☒										
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	T.B.G. 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.
J. A. AKENS	12	X	3	21S	36E	2/1/94	P			24	1	7	110	15714
ALLOCATION FACTOR FOR THE GLORIETA AND BLIEBRY TUBB DRINKARD ZONES WILL BE ALLOCATED BY CALCULATING THE WELLS CURRENT PRODUCTION PRIOR TO WORKOVER AND WHAT THE WELL PRODUCES AFTER THE WORKOVER. (OPENNING OF PERFS AT 5204-5330).														
C_116 WILL BE SENT AFTER THE BLINEBRY ZONE IS OPENED.														

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.

Signature

ROD L. BAILEY PRORATION ANALYST

Printed name and title

2/24/94

Date

(214) 715-4828

Telephone No.



CON DIVISION

VED

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

3-3-94

BRUCE KING
GOVERNORPOST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC	_____
DHC	<u>X</u> _____
NSL	_____
NSP	_____
SWD	_____
WFX	_____
PMX	_____

DHC-997

Gentlemen:

I have examined the application for the:

<u>Oryx Energy Co</u>	<u>J.A. Akens</u>	<u>#12-X</u>	<u>3-21-36</u>
Operator	Lease & Well No.	Unit	S-T-R

and my recommendations are as follows:

OK Should test new zone separately
To make sure it qualifies
for Adm. DHC

Yours very truly,

Jerry Sexton
Jerry Sexton
Supervisor, District 1

/ed