

**SIETE OIL & GAS CORPORATION**

*Petroleum Building Suite 200
P.O. Box 2523 Roswell, New Mexico 88202, USA
Telephone (505) 622-2202
FAX (505) 622-2297*

March 28, 1991

Oil Conservation Commission
P.O. Box 2308
Santa Fe, NM. 87501

ATTN: Mr. William Lemay

Re: Commingling Delaware and Bone Spring Formations
Osage Federal #17
2310' FSL & FWL, Section 34, T-19-E R-29-S
Parkway Field
Eddy County, New Mexico

Dear Mr. Lemay:

Siete Oil and Gas respectfully requests permission to commingle the Bone Spring and Delaware intervals in the Osage Federal #17. Please find below the data requested by NMOC Rule 303-C-2.

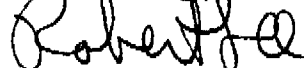
- a. Siete Oil & Gas Corporation
P. O. Box 2523
Roswell, New Mexico 88202
- b. Osage Federal #17
2310' FSL & FWL
Section 34, T-19-E R-29-S
Commingling Parkway Delaware and Parkway Bone Spring Formations
- c. Please see attached plat. Siete Oil and Gas offsets this proration unit and wellbore in all directions.
- d. Please see attached C-116's.
- e. This well was completed in the Bone Spring on 12/21/90. The last monthly production for this well was 7 BOPD, 40 BWPD and 38 MCFPD. We recompleted the Delaware on 3/10/91 and is currently making 11 BOPD, 25 BWPD and 20 MCFPD. Please refer to the attached wellbore diagram for the well history. No production curves were included because these zones have produced for such a short time.

- f. Estimated bottomhole pressure for the Bone Spring is 3010 psi. Estimated bottomhole pressure for the Delaware is 2305 psi.
- g. Please refer to the attached water analysis performed by Martin Water Labs. This analysis shows the fluids to be compatible.
- h. Economics are attached showing the present value discounted at 10% for delaying the production is \$81,699. If both zones are produced simultaneously the value of the production is \$84,600.
- i. Based on the recent well tests the formula to allocate production will be:
 - Monthly Production * .39 = Bone Spring Production
 - Monthly Production * .61 = Delaware Production
- j. Siete Oil and Gas is the offset operator and we have notified the BLM.

The ownership in this well is common for all zones and this work will not jeopardize any future secondary potential or projects.

If you have any questions do not hesitate to call.

Sincerely,



Robert Lee
Production Engineer
P. E. #11341

06/12/91 11:51
P. O. BOX 1488
MONAHANS, TEXAS 79756
PH. 943-3234 OR 563-1040

SIETE OIL & GAS NO. 057

P004/014

700 W. INDIANA
MIDLAND, TEXAS 79701
PHONE 683-4521

RESULT OF WATER ANALYSES

TO: Mr. Robert Lee
P. O. Box 2523, Roswell, NM 88202

LABORATORY NO. 39164
SAMPLE RECEIVED 3-11-91
RESULTS REPORTED 3-13-91

COMPANY Siete Oil & Gas Corporation LEASE Osage
FIELD OR POOL Parkway
SECTION BLOCK SURVEY COUNTY Eddy STATE NM

SOURCE OF SAMPLE AND DATE TAKEN:

NO. 1 Produced water - taken from Osage #1. 2-18-91
NO. 2 Produced water - taken from Osage #18. 2-18-91
NO. 3
NO. 4

REMARKS: 1. Delaware 2. Bone Springs

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.1537	1.1418		
pH When Sampled				
pH When Received	5.63	6.46		
Bicarbonate as HCO ₃	94	405		
Supersaturation as CaCO ₃	12	30		
Undersaturation as CaCO ₃	--	--		
Total Hardness as CaCO ₃	58,500	12,100		
Calcium as Ca	19,200	3,680		
Magnesium as Mg	2,551	705		
Sodium and/or Potassium	69,208	81,113		
Sulfate as SO ₄	568	811		
Chloride as Cl	147,720	132,806		
Iron as Fe	12.4	48.8		
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	239,341	219,519		
Temperature °F.				
Carbon Dioxide, Calculated	385	267		
Dissolved Oxygen				
Hydrogen Sulfide	0.0	0.0		
Resistivity, ohms/m at 77° F.	0.052	0.054		
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks The objective herein is to evaluate compatibility between these two waters. In studying the waters, the evidence clearly indicates no potential precipitation or scaling development as a result of mixing these waters. Therefore, based on the results herein, we would classify these waters as compatible.

Form No. 3

By

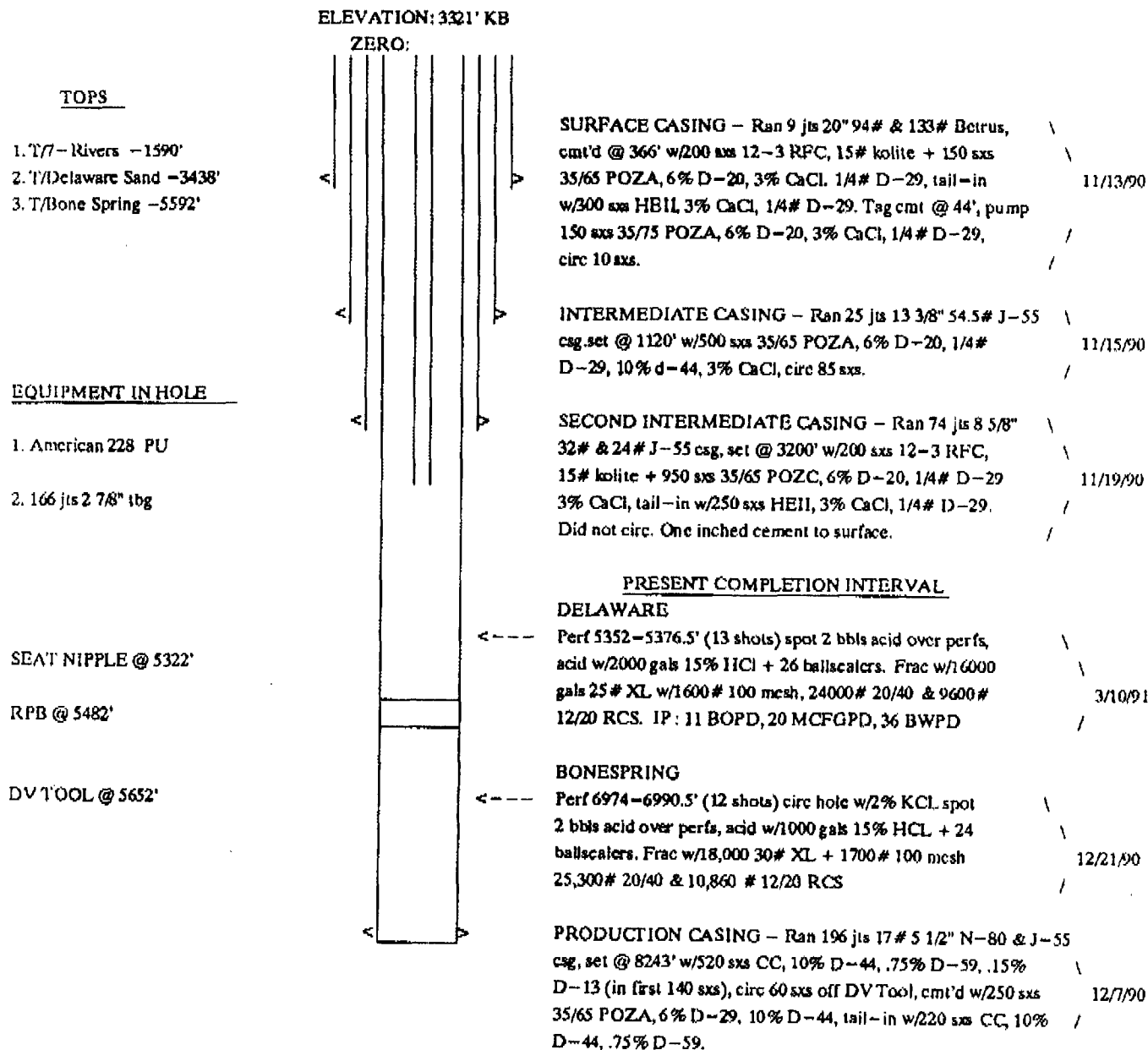
Waylan C. Martin, M.A.

SIETE OIL & GAS CORPORATION

WELL: Osage Federal #17
 FIELD: Parkway
 INTERVAL: Bone Spring
 Comp: 12/20/90
 IP: 17 BOPD, 50 MCFPD(est), 36 BWPD
 API#: 30-015-62028

LOCATION:
 2310' FSL & 2310' FEL
 Section 34, T-19S, R-29E
 Eddy County, N.M.

Spudded 26" hole on 11/12/90



DRAWN BY: BJG
 DATE: March 25, 1991

TD: 9500
 PBD: 8262'

OIL CONSERVATION DIVISION

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

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

GAS - OIL RATIO TEST

Operator SIETE OIL AND GAS CORPORATION		Pool BONE SPRING		County EDDY	
Address P. O. BOX 2523 ROSWELL, NM 88202-2523		TYPE OF TEST - (X) ☒ P		Completion ☒ X/MX Special ☐	
LEASE NAME OSAGE FEDERAL	WELL NO. 17	LOCATION U S T R K 34 19S 29E		DATE OF TEST 02/13/91	TYPE OF TEST - (X) P
		CHOKER SIZE N/A	TBQ. PRESS. N/A	DAILY ALLOW-ABLE 142	LENGTH OF TEST HOURS 24
		PROD. DURING TEST WATER GRAY. OIL GAS BRLS. BRLS. BRLS. MCF.			
		40	43.0	7	38
		GAS - OIL RATIO CU/FT/BRL		5429/1	

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.

Julie Owen-Cox

Signature
JULIE OWEN-COX / PRODUCTION ANALYST

Printed name and title

3-28-91 (505) 622-2202

Date Telephone No.

OIL CONSERVATION DIVISION

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

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

GAS - OIL RATIO TEST

Operator SIETE OIL AND GAS CORPORATION		Pool DELAWARE		County EDDY												
Address P. O. BOX 2523 ROSWELL, NM 88202-2523		TYPE OF TEST - (X) ☒ TEST - (X)		Completion ☒ Special ☐												
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	TYPE 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.	GRAY. OIL BBL.S.	GAS MCF.		
OSAGE FEDERAL	17	X	34	195	29E	04/02/91	P	N/A	N/A	107	24	25	43.0	11	20	1818/1

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.

Judy Owen-Cox

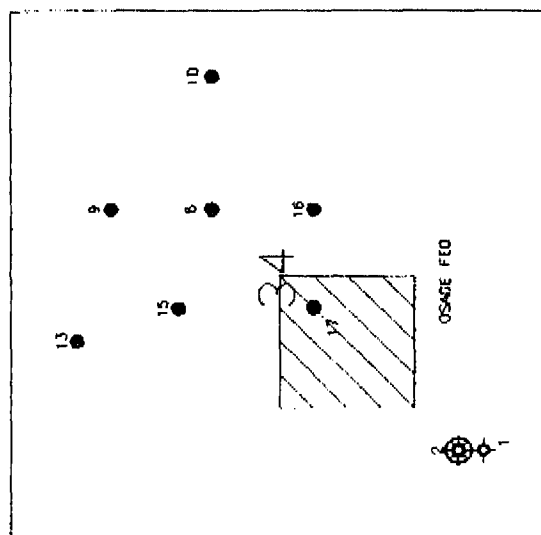
Signature
JUDY OWEN-COX / PRODUCTION ANALYST

Printed name and title

3-28-91 (505)622-2202

Date Telephone No.

Township 19 South, Range 29 East



SIETE OIL & GAS CORPORATION

EDDY COUNTY, NEW MEXICO

PARKWAY DELAWARE - BONE SPRING

- DELAWARE PRODUCTION • WOLFCAMP PRODUCTION
- BONE SPRING PRODUCTION • STRAWN PRODUCTION
- ATOKA PRODUCTION

06/12/91

11:54

SIETE OIL & GAS

NO. 057

P009/014

FILE NAME: OSAGE17 (2)

DATA REPORT

DATE: 03/27/91

CASE NAME: 7800SAGE17

TIME: 16:27.10

101 OSAGE #17

102 SIETE OIL & GAS

117 CASE \$COM1

* 107 SIETE OIL & GAS

* 120 04 91 12 04 01 91 10 2

	W.I. FRACTION	OP. COST (\$/W/MO)	OP. COST (\$/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	2000.00	.000	OIL	4/ 1/91

	PHASE NAME	QJM PROD (MUNITS)	REV. INT FRACTION	PRICE (\$/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
221	OIL	.000	.75000000	20.000	6.700	1.0	
222	GAS	.000	.75000000	1.350	8.000	.0	

	PH. NAME	CURVE TP	DECLINE%	Q1 RATE	Q1 RATE	QJM. LIMIT	(M OR Y)	CALC VALUE
410	OIL	EXP	20.000	7.000	EL	X X	D	
CALC	OIL	EXP	END= 20.000	7.000	4.698	1.787 YRS	D	3.765 MGBL
411	OIL	EXP	20.000	11.000	EL	X X	D	
CALC	OIL	EXP	END= 20.000	11.000	4.698	5.599 YRS	D	14.073 MGBL
412	GAS	EXP	20.000	38.000	EL	X X	D	
CALC	GAS	EXP	END= 20.000	38.000	12.000	5.166 YRS	D	42.529 MMCF
413	GAS	EXP	20.000	20.000	EL	X X	D	
CALC	GAS	EXP	END= 20.000	20.000	12.000	7.455 YRS	D	55.614 MMCF

ECONOMIC LIFE (YRS): 5.750
 GROSS OIL (MGBL): 14.073
 GROSS GAS (MMCF): 46.528

OSAGE #17
SIETE OIL & GAS

DATE: 03/27/91
TIME: 16:27.10
FILE: OSAGE17
GET#: 2

RESERVES AND ECONOMICS

SIETE OIL & GAS

AS OF APRIL 1, 1991

-END- MO-YR	---GROSS PRODUCTION---		----NET PRODUCTION----		---PRICES---		-----OPERATIONS, M\$-----			CAPITAL COSTS, M\$	CASH FLOW BTAX, M\$	10.00 PCT CLM. DISC BTAX, M\$
	OIL, MMBL	GAS, MMCF	OIL, MMBL	GAS, MMCF	OIL \$/B	GAS \$/M	NET OPER REVENUES	SEV+ADV+ WF TAXES	NET OPER EXPENSES			
12-91	1.764	9.579	1.323	7.184	20.00	1.35	36.158	2.549	18.000	.000	15.609	15.061
12-92	1.938	10.515	1.454	7.886	20.00	1.35	39.726	2.800	24.000	.000	12.926	26.535
12-93	3.543	8.413	2.657	6.310	20.00	1.35	61.659	4.242	24.000	.000	33.417	53.502
12-94	2.903	6.730	2.177	5.048	20.00	1.35	50.355	3.462	24.000	.000	22.893	70.297
12-95	2.322	5.384	1.742	4.038	20.00	1.35	40.291	2.770	24.000	.000	13.521	79.315
12-96	1.603	5.907	1.202	4.430	20.00	1.35	30.021	2.089	24.000	.000	3.932	81.699
12-97												
12-98												
12-99												
12- 0												
12- 1												
12- 2												
12- 3												
12- 4												
12- 5												
S TOT	14.073	46.528	10.555	34.896	20.00	1.35	258.210	17.912	138.000	.000	102.298	81.699
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	81.699
TOTAL	14.073	46.528	10.555	34.896	20.00	1.35	258.210	17.912	138.000	.000	102.298	81.699
CLM.	.000	.000					NET OIL REVENUES (M\$)	211.100	-----PRESENT WORTH PROFILE-----			
							NET GAS REVENUES (M\$)	47.110	DISC	PW OF NET	DISC	PW OF NET
ULT.	14.073	46.528					TOTAL REVENUES (M\$)	258.210	RATE	BTAX, M\$	RATE	BTAX, M\$
BTAX RATE OF RETURN (PCT)			100.00	PROJECT LIFE (YEARS)			5.750	.0	102.298	30.0	57.161	
BTAX PAYOUT YEARS			.00	DISCOUNT RATE (PCT)			10.000	2.0	97.505	35.0	53.064	
BTAX PAYOUT YEARS (DISC)			.00	GROSS OIL WELLS			1.000	5.0	90.998	40.0	49.499	
BTAX NET INCOME/INVEST			.00	GROSS GAS WELLS			.000	8.0	85.210	45.0	46.376	
BTAX NET INCOME/INVEST (DISC)			.00	GROSS WELLS			1.000	10.0	81.699	50.0	43.624	
								12.0	78.437	60.0	39.013	
INITIAL W.I. FRACTION			1.000000	INITIAL NET OIL FRACTION			.750000	15.0	73.955	70.0	35.320	
FINAL W.I. FRACTION			1.000000	FINAL NET OIL FRACTION			.750000	18.0	69.916	80.0	32.306	
PRODUCTION START DATE			4- 1-91	INITIAL NET GAS FRACTION			.750000	20.0	67.439	90.0	29.811	
MONTHS IN FIRST LINE			9.00	FINAL NET GAS FRACTION			.750000	25.0	61.904	100.0	27.716	

06/12/91

11:55

SIETE OIL & GAS

NO. 057

P011/014

of course. now names together.

FILE NAME: OSAGE17 (2)

DATA REPORT

DATE: 03/27/91

TIME: 16:20.02

CASE NAME: 7800SAGE17

101 OSAGE #17

102 SIETE OIL & GAS

117 CASE \$00M1

	W.L. FRACTION	OP. COST (\$/W/MO)	OP. COST (\$/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	2000.00	.000	OIL	4/ 1/91

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE (\$/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
221	OIL	.000	.75000000	20.000	6.700	1.0	
222	GAS	.000	.75000000	1.350	8.000	.0	

	PH. NAME	CURVE TP	DECLINEX	Q1 RATE	Q1 RATE	CUM. LIMIT	(M OR Y)	CALC VALUE
410	OIL	EXP	20.000	7.000	EL	X X	D	
CALC	OIL	EXP	END= 20.000	7.000	4.698	1.787 YRS	D	3.765 MMBL
411	GAS	EXP	20.000	38.000	EL	X X	D	
CALC	GAS	EXP	END= 20.000	38.000	12.000	5.166 YRS	D	42.529 MMCF

ECONOMIC LIFE (YRS): 1.750

GROSS OIL (MMBL): 3.702

GROSS GAS (MMCF): 20.094

26.5
58.1
84.6

OSAGE #17
SIETE OIL & GAS

DATE: 03/27/91
TIME: 16:20.02
FILE: OSAGE17
GET#: 2

RESERVES AND ECONOMICS

AS OF APRIL 1, 1991

-END- MO-YR	---GROSS PRODUCTION---		---NET PRODUCTION---		---PRICES---		-----OPERATIONS, M\$-----			CAPITAL COSTS, M\$	10.00 PCT CASH FLOW CLM. DISC	
	OIL, MMBL	GAS, MMCF	OIL, MMBL	GAS, MMCF	OIL \$/B	GAS \$/M	NET OPER REVENUES	SEV+ADV+ WF TAXES	NET OPER EXPENSES		BTAX, M\$	BTAX, M\$
12-91	1.764	9.579	1.323	7.184	20.00	1.35	36.158	2.549	18.000	.000	15.609	15.064
12-92	1.938	10.515	1.454	7.886	20.00	1.35	39.726	2.800	24.000	.000	12.926	26.543
12-93												
12-94												
12-95												
12-96												
12-97												
12-98												
12-99												
12- 0												
12- 1												
12- 2												
12- 3												
12- 4												
12- 5												
S TOT	3.702	20.094	2.777	15.070	20.00	1.35	75.884	5.349	42.000	.000	28.535	26.543
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	26.543
TOTAL	3.702	20.094	2.777	15.070	20.00	1.35	75.884	5.349	42.000	.000	28.535	26.543
CLM.	.000	.000					NET OIL REVENUES (M\$)	55.540	-----PRESENT WORTH PROFILE-----			
ULT.	3.702	20.094					NET GAS REVENUES (M\$)	20.344	DISC	PW OF NET	DISC	PW OF NET
							TOTAL REVENUES (M\$)	75.884	RATE	BTAX, M\$	RATE	BTAX, M\$
BTAX RATE OF RETURN (PCT)			100.00	PROJECT LIFE (YEARS)			1.750	.0	28.535	30.0	23.508	
BTAX PAYOUT YEARS			.00	DISCOUNT RATE (PCT)			10.000	2.0	28.104	35.0	22.893	
BTAX PAYOUT YEARS (DISC)			.00	GROSS OIL WELLS			1.000	5.0	27.489	40.0	22.323	
BTAX NET INCOME/INVEST			.00	GROSS GAS WELLS			.000	8.0	26.910	45.0	21.794	
BTAX NET INCOME/INVEST (DISC)			.00	GROSS WELLS			1.000	10.0	26.543	50.0	21.299	
								12.0	26.189	60.0	20.404	
INITIAL W.I. FRACTION			1.000000	INITIAL NET OIL FRACTION			.750000	15.0	25.682	70.0	19.614	
FINAL W.I. FRACTION			1.000000	FINAL NET OIL FRACTION			.750000	18.0	25.201	80.0	18.912	
PRODUCTION START DATE			4- 1-91	INITIAL NET GAS FRACTION			.750000	20.0	24.895	90.0	18.284	
MONTHS IN FIRST LINE			9.00	FINAL NET GAS FRACTION			.750000	25.0	24.173	100.0	17.716	

FILE NAME: OSAGE17 (3)

DATA REPORT

DATE: 03/27/91

TIME: 16:20.02

CASE NAME: 11BOOSAGE17

101 OSAGE #17

102 SIETE OIL & GAS CORP

117 CASE \$00M1

	W.I. FRACTION	OP. COST (\$/W/MO)	OP. COST (\$/MO.)	ADV. TAX (PCT)	MAJOR PH. NAME	PROD DATE (MO/DY/YR)
210	1.00000000	.00	2000.00	.000	OIL	4/ 1/91

	PHASE NAME	CUM PROD (MUNITS)	REV. INT FRACTION	PRICE (\$/UNIT)	SEV. TAX (PCT)	NO. OF WELLS	RATIO TO MAJOR PH
221	OIL	.000	.75000000	20.000	6.700	1.0	
222	GAS	.000	.75000000	1.350	8.000	.0	

	PH. NAME	CURVE TP	DECLINE%	Q1 RATE	Q1 RATE	CUM. LIMIT	(M OR Y)	CALC VALUE
410	OIL	EXP	20.000	11.000	EL	X X	D	
CALC	OIL	EXP	END= 20.000	11.000	4.698	3.812 YRS	D	10.308 MBOE
411	GAS	EXP	20.000	20.000	EL	X X	D	
CALC	GAS	EXP	END= 20.000	20.000	12.000	2.289 YRS	D	13.086 MMCF

OSAGE #17
SIETE OIL & GAS CORP

DATE: 03/27/91
TIME: 16:20.02
FILE: OSAGE17
GET#: 3

RESERVES AND ECONOMICS

AS OF APRIL 1, 1991

-END- MO-YR	---GROSS PRODUCTION---		---NET PRODUCTION---		---PRICES---		-----OPERATIONS, M\$-----			CAPITAL COSTS, M\$	CASH FLOW BTAX, M\$	10.00 PCT CLM. DISC BTAX, M\$
	OIL, MBL	GAS, MMCF	OIL, MBL	GAS, MMCF	OIL \$/B	GAS \$/M	NET OPER REVENUES	SEV+ADV+ WF TAXES	NET OPER EXPENSES			
12-91	2.773	5.041	2.080	3.781	20.00	1.35	46.704	3.195	18.000	.000	25.509	24.619
12-92	3.044	5.535	2.283	4.151	20.00	1.35	51.264	3.507	24.000	.000	23.757	45.716
12-93	2.435	2.510	1.826	1.883	20.00	1.35	39.062	2.650	24.000	.000	12.412	55.736
12-94	1.968	.000	1.461	.000	20.00	1.35	29.220	1.958	24.000	.000	3.262	58.130
12-95	.108	.000	.081	.000	20.00	1.35	1.620	.109	1.494	.000	.017	58.142
12-96												
12-97												
12-98												
12-99												
12- 0												
12- 1												
12- 2												
12- 3												
12- 4												
12- 5												
S TOT	10.308	13.086	7.731	9.815	20.00	1.35	167.870	11.419	91.494	.000	64.957	58.142
REM.	.000	.000	.000	.000	.00	.00	.000	.000	.000	.000	.000	58.142
TOTAL	10.308	13.086	7.731	9.815	20.00	1.35	167.870	11.419	91.494	.000	64.957	58.142
CLM.	.000	.000					NET OIL REVENUES (M\$)	154.620				
							NET GAS REVENUES (M\$)	13.250				
ULT.	10.308	13.086					TOTAL REVENUES (M\$)	167.870				
									-----PRESENT WORTH PROFILE-----			
									DISC	PW OF NET	DISC	PW OF NET
									RATE	BTAX, M\$	RATE	BTAX, M\$
BTAX RATE OF RETURN (PCT)		100.00	PROJECT LIFE (YEARS)				3.812	.0	64.957	30.0	48.618	
BTAX PAYOUT YEARS		.00	DISCOUNT RATE (PCT)				10.000	2.0	63.444	35.0	46.811	
BTAX PAYOUT YEARS (DISC)		.00	GROSS OIL WELLS				1.000	5.0	61.323	40.0	45.171	
BTAX NET INCOME/INVEST		.00	GROSS GAS WELLS				.000	8.0	59.365	45.0	43.676	
BTAX NET INCOME/INVEST (DISC)		.00	GROSS WELLS				1.000	10.0	58.142	50.0	42.306	
								12.0	56.978	60.0	39.891	
INITIAL W.I. FRACTION		1.000000	INITIAL NET OIL FRACTION				.750000	15.0	55.336	70.0	37.823	
FINAL W.I. FRACTION		1.000000	FINAL NET OIL FRACTION				.750000	18.0	53.807	80.0	36.035	
PRODUCTION START DATE		4- 1-91	INITIAL NET GAS FRACTION				.750000	20.0	52.846	90.0	34.473	
MONTHS IN FIRST LINE		9.00	FINAL NET GAS FRACTION				.750000	25.0	50.619	100.0	33.095	