STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

RECEIVED
Form C-122
Revised 10-1-78
DEC 27 '89
O. C. D.
ARTESIA, OFFICE

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [X] Initial [ ] Annual [ ] Special — Test Date: 12-4-89

Company: SIETE OIL & GAS — Connection:

Pool: ~~Undesignated~~ W. Parkway Atoka — Formation: ATOKA — Unit:

Completion Date	Total Depth	Plug Back TD	Elevation	Farm or Lease Name
11-29-89	11,900	11,838	3338 KB	OSAGE FEDERAL

Csg. Size	Wt.	d	Set At	Perforations	Well No.
5½"	17 & 20	N-80	11,900	From 10,816 To 10,828	8
Tbg. Size	Wt.	d	Set At	Perforations	Unit / Sec. / Twp. / Rge.
2-7/8	6.5#	J-55	10,738	From To	G / 34 / 19 / 29

Type Well – Single – Bradenhead – G.G. or G.O. Multiple	Packer Set At	County
SINGLE	10,738	EDDY

Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State
TUBING	158 @ PERFS			NEW MEXICO

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
10,816	10,816	.716	.28	1.22	0		6.065	FLANGE

FLOW DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI							4400		PKR		48
1.	6	X	3.500	595	3.00	87	3955		"		1½HRS
2.	6	X	3.500	590	5.50	88	3517		"		1HR
3.	6	X	3.500	600	9.00	76	2980		"		1HR
4.	6	X	3.500	600	15.00	78	2085		"		15MIN
5.											

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	62.47	42.72	608.2	.9750	1.182	1.073	3.300
2.	62.47	57.60	603.2	.9741	1.182	1.072	4.441
3	62.47	74.29	613.2	.9850	1.182	1.073	5.798
4.	62.47	95.91	613.2	.9831	1.182	1.073	7.470
5.							

NO.	P_t	Temp. °R	T_t	Z
1.	.91	547	1.38	.869
2.	.90	548	1.38	.870
3.	.91	536	1.35	.869
4.	.91	538	1.36	.869
5.				

Gas Liquid Hydrocarbon Ratio 78.4 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons 54.5@ 60 Deg.
Specific Gravity Separator Gas .716 — xxxxxxxxx
Specific Gravity Flowing Fluid xxxxx — Gmix= .753
Critical Pressure 668 P.S.I.A. — 667 P.S.I.A.
Critical Temperature 395 R — 408 R

P_c 4413.2 P_c^2 19476.3

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		3989.4	15915.3	3561.0
2		3595.4	12926.9	6549.4
3		3063.0	9382.0	10094.3
4		2231.7	4980.5	14495.8
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.344$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.201$

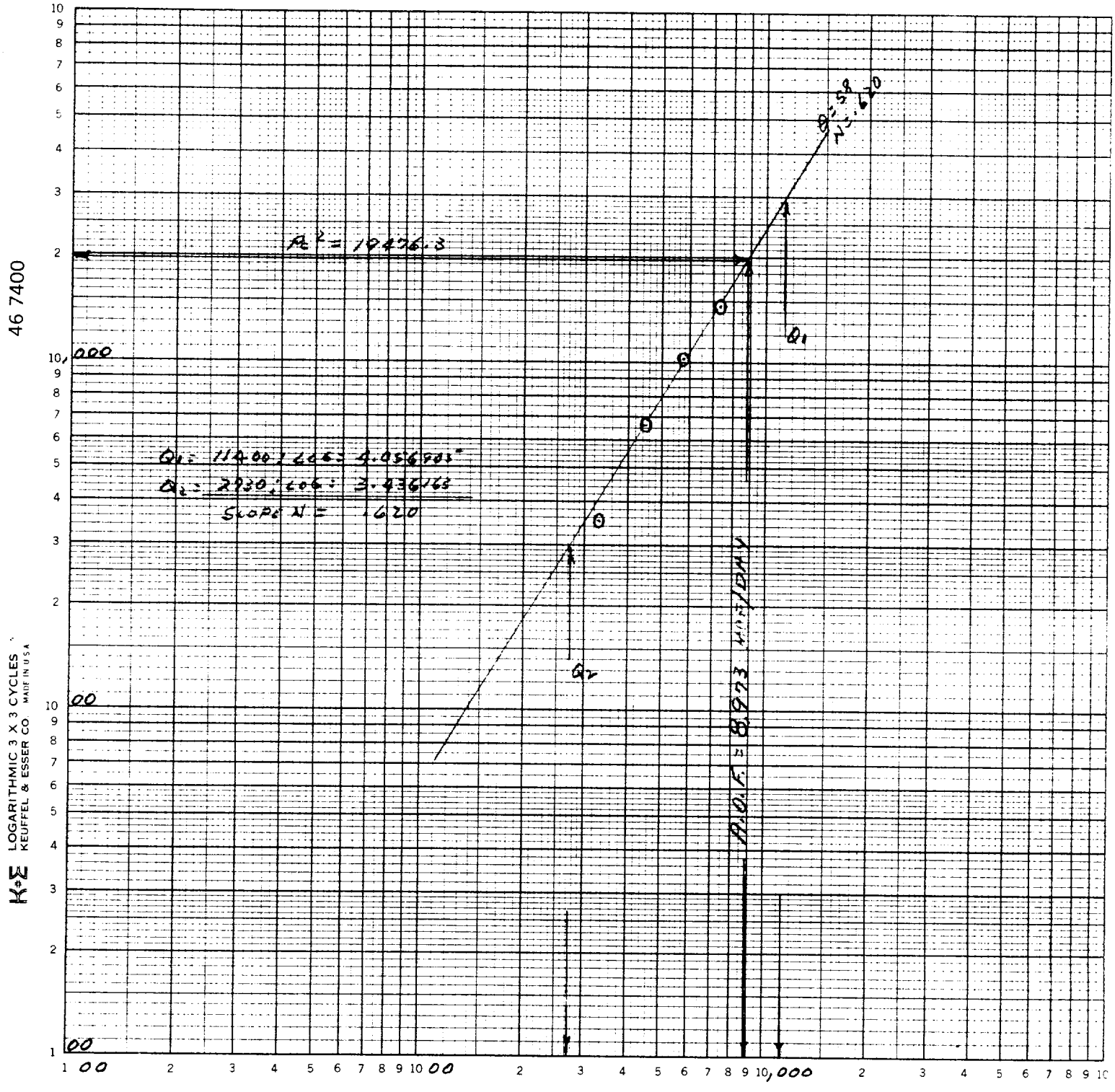
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 8.973$

Absolute Open Flow 8.973 Mcfd @ 15.025 — Angle of Slope θ 58 — Slope, n .620

Remarks: Made 9 Bbls. of 54.5 condensate during test

Approved By Division	Conducted By:	Calculated By:	Checked By:
	ALLEN McNEW	ALLEN McNEW	

SIETE OIL & GAS
OSAGE FEDERAL NO.8
UNIT G SEC.34 TWP 19 RGE 29
EDDY COUNTY, NEW MEXICO
TEST DATE 12-4-89



Form 3160-4
(July 1989)
(formerly 9-330)

CONTACT BLM IV OFFICE FOR NUMBER OF COPIES REQUIRED

BLM Roswell District
Modified Form No.
NM060-3160-3

c/SF

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(See other instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.: NM-24160

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Osage Federal

9. WELL NO.: 8

10. FIELD AND POOL, OR WILDCAT: ~~Undesignated~~ W. Parkway Atoka

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 34: T19S, R29E

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other

b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESERV. ☒ Other

2. NAME OF OPERATOR: Siete Oil and Gas Corporation

3a. Area Code & Phone No.: (505) 622-2260

3. ADDRESS OF OPERATOR: P.O. Box 2523 Roswell, NM 88202-2523

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ARTESIA, OFFICE

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface: 1980' FNL & 1980' FEL, SW¼NE¼, Unit Letter G
At top prod. interval reported below: Same
At total depth: Same

9a. API Well No.: 30-015-26089

14. PERMIT NO.:

DATE ISSUED: 3/24/89

12. COUNTY OR PARISH: Eddy

13. STATE: NM

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
4/18/89	5/17/89	11/29/89	3320' GR	3338' KB

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
11900'	11838'	N/A	→	X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
10816'-10828' Atoka

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN
Ran logs on original completion (CNL/LDT, DLL/MSFL, Sonic, Volan & EPT

27. WAS WELL CORED: No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"	94#	340'	26"	635 sxs circ	
8 5/8"	32#	3200'	12 1/4"	1300 sxs circ	
5 1/2"	20# & 17#	11900'	7 7/8"	2450 sxs	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8"	10738'	10738'

31. PERFORATION RECORD (Interval, size and number)
10816'-10828' w/44 perfs, pkr @ 10738'

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
10816'-10828'	N/A
9256'-9295'	200sxs"H",.5%FLA,2%CaCl
10406'-10452'	100sxs"H"

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
11/29/89	Flowing	Shut-In

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12/04/89	3 3/4			9	190	0	21111/1

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
2085	0		58	7470 Est. Final Rate	Pmt 0	54.5

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Shut-in, negotiating gas contracts

TEST WITNESSED BY: Eddie Rodriguez

35. LIST OF ATTACHMENTS
C-122

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED [signature] TITLE Production/Reservoir Engr. DATE 12/26/89

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH

AMENDED

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

Operator	Lease	Well No.
SIETE OIL & GAS CORPORATION	Osage Federal	8

Unit Letter	Section	Township	Range	County
G	34	19 South	29 East	Eddy County, N.M.

Actual Footage Location of Well:
1980 feet from the North line and 1980 feet from the East line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3320.	Atoka	Wildcat	320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

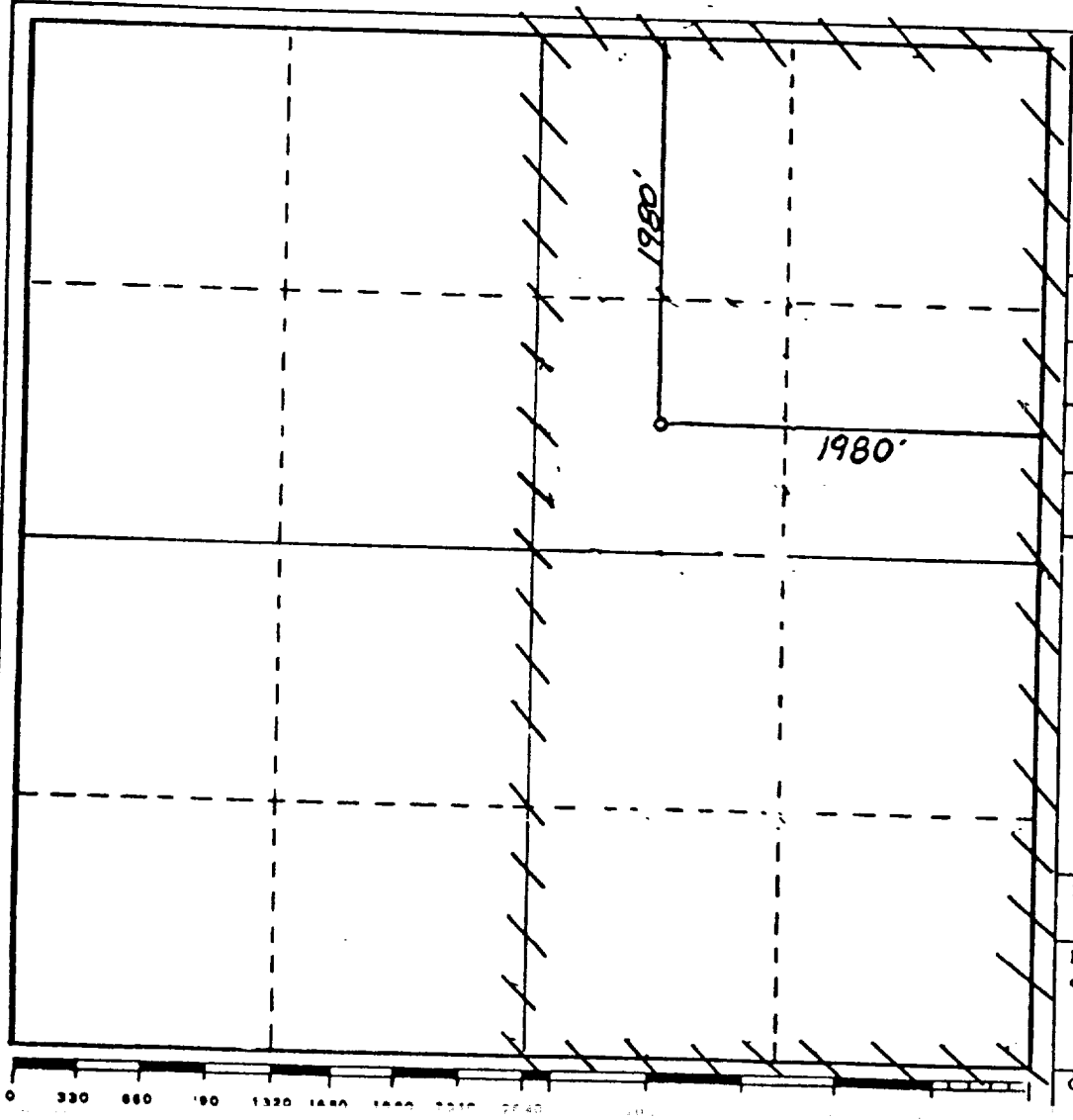
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Name
Harold D. Justice

Position
V.P. Drilling & Production

Company
SIETE OIL & GAS CORPORATION

Date
March 17, 1989

DAN R. REDDY
NEW MEXICO
9412
REGISTERED LAND SURVEYOR
PROFESSIONAL ENGINEER

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
March 15, 1989

Registered Professional Engineer and/or Land Surveyor

Dan R. Reddy

Certificate No.