

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIP  
(Other instruction  
verse side)

ATE  
a re

Budget Bureau No. 1004-0135  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

NM-28880

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Rett Federal Com

9. WELL NO.

1-Y

10. FIELD AND POOL, OR WILDCAT

Undes. Morrow Gas

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

Sec. 23, 20S, 34E

12. COUNTY OR PARISH

Lea

18. STATE

New Mexico

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—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR  
Chama Petroleum Company

3. ADDRESS OF OPERATOR  
P.O. Box 31405 Dallas, Texas 75231

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.  
See also space 17 below.)  
At surface

660' FSL & 760' FEL

14. PERMIT NO.

15. ELEVATIONS (Show whether of, or to, rock)

3685.4

~~CONFIDENTIAL~~

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON\*

CHANGE PLANE

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Activity

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

XX

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

8/2/85 thru 8/7/85: Drilling to 13,553'.

8/8/85: 1Howco float shoe, 1 jt. 5-1/2" 17# CF-95 LT&C 8rd Range 3 csg., 1 Howco float collar, 97 jts. 5-1/2" 17# CF-95 LT&C 8rd range 3 csg., 162 jts. 5-1/2" 17# N-80 LT&C 8rd range 3 csg., 39 jts. 5-1/2" 17# CF-95 LT&C 8rd range 3 csg., 18 jtsd 5-1/2" 20# N-80 LT&C 8rd range 3 csg. Casing set at 13,495.63'. Pumped and mixed 1100 sxs. Howco 50-50 poz H, 2% gel, 5#/sx KCl, 6/10 of 1% Halad 22-A, 2/10 of 1% Kr-5, 1/4#/sx of flo-cel. Plug down at 7:46 am, 8/8/85. Pressure test csg. and WH to 1500# for 30 mins. and held ok.

8/9/85: Waiting on completion.

8/12/85: TIH, PU 2-3/8" EVE 8rd 4.7# N-80 tbg. with conveyed perforating system.

8/13/85: RU Geo Vann. Spaced out tbg., set pkr. with guns to perf. at 13,041' 043', 045', 046', 047', 048', 051', 052', 053', 13,162', 163', 164', 165', 166', 169', with 4 HPF. Install tree and tested. RU flare line.

Dropped bar and guns with gas flare to surface.

8/14/85 thru 8/17/85: Ran BHP and 4 point test.

8/18/85: Waiting on gas purchaser tie-in.

18. I hereby certify that the foregoing is true and correct

SIGNED

*Shelley R. Swartz*

Regulatory & Production

DATE 8/23/85

(This space for Federal or State office use)

APPROVED BY ACCEPTED FOR RECORD  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

AUG 30 1985

\*See Instructions on Reverse Side

11  
N

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MAY 26 1987  
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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

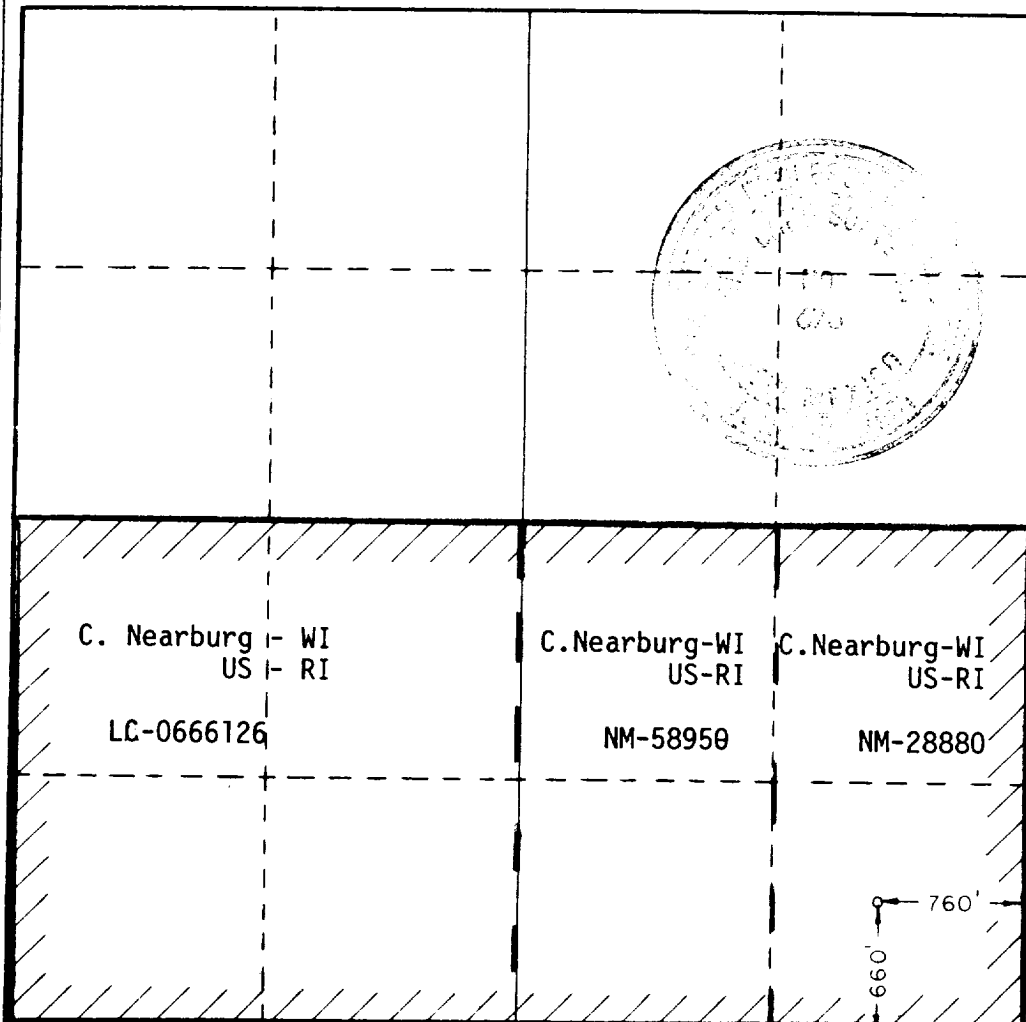
Operator CHAMA PETROLEUM CO.			Lease RETT FEDERAL		Well No. 1Y
Unit Letter P	Section 23	Township 20 SOUTH	Range 34 EAST	County LEA	
Actual Footage Location of Well: 660 feet from the SOUTH line and 760 feet from the EAST line					
Ground Level Elev. 3685.4	Producing Formation Morrow	Pool Undes. Morrow Gas		Dedicated Acreage: 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 Communitization Agreement is being circulated

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.

*Mark K. Nearburg*

Name  
Mark K. Nearburg  
Position  
Landman

Company  
Chama Petroleum Company

Date  
July 19, 1985

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  
MAY 17, 1985

Registered Professional Engineer and/or Land Surveyor

*John W. West*

Certificate No. JOHN W. WEST, 676  
RONALD J. EIDSON, 3239

RECEIVED

JAN 3 - 1986

O.C.D.  
HOSBIS OFFICE

(November 1983)  
(formerly 9-330)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

Budget Bureau No. 1004-0137  
Expires August 31, 1985

(See other In-  
structions on  
reverse side)

5. LEASE DESIGNATION AND SERIAL NO.

NM-28880

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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 ☐ DEEP EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

2. NAME OF OPERATOR

Chama Petroleum Company

3. ADDRESS OF OPERATOR

P.O. Box 31405 Dallas, Texas 75231

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface

660' FSL & 760' FEL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

8/22/85

12. COUNTY OR PARISH

Lea

13. STATE

New Mexico

15. DATE SPUDDED

6/8/85

16. DATE T.D. REACHED

8/4/85

17. DATE COMPL. (Report)

8/18/85

18. ELEVATIONS (DF, RKB, RT, GB, ETC.)\*

3685.4'

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

13553'

21. PLUG BACK T.D., MD & TVD

13499'

22. IF MULTIPLE COMPL., HOW MANY\*

N/A

23. INTERVALS DRILLED BY

ROTARY TOOLS

XX

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)\*

13041' - 13169'

MORROW

25. WAS DIRECTIONAL SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

DLL, CNL, LDT

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
13-3/8"	54.5# & 61#	875'	17-1/2"	circ to surface	
8-5/8"	24# & 32#	5508'	11"	circ to surface	
5-1/2"	17# & 20#	13496'	7-7/8"	1100 sxs Howco 50-50 poz	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	13030	12963

31. PERFORATION RECORD (Interval, size and number)

13041' - 13169' 4 HPF

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	NONE

33.\* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
		Flowing				SI	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8-17-85	5	13/64"	→	-0-	35.4	-0-	N/A
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
890	N/A	→	-0-	263.3	-0-	N/A	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

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

SIGNED

*TR Mac Enany*

TITLE

CARLSBAD, NEW MEXICO  
Engineering Manager

DATE 10/21/85

\*(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 willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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.	NAME	MEAS. DEPTH	TOP
Morrow	13,040	13,170	Sand No DST		Tansill Yates Seven Rivers San Andres Deleware Bone Spring Wolfcamp Strawn Atoka Morrow Barnett	3400 3660 3970 5229 5692 8378 11118 11252 12414 12605 13535	TRUE VERT. DEPTH 3400 3660 3970 5229 5692 8378 11118 11252 12414 12605 13535

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Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date 8-17-85	
Company Chama Petroleum Company				Connection To-Air	
Pool				Formation Morrow	
Completion Date		Total Depth 13,552'		Plug Back TD 13,499'	
				Elevation 3685.4	
Farm or Lease Name Rett Fed. Com.					
Csq. Size 5 1/2"	Wt. 17#	d 4.892	Set At 13,550'	Perforations: From 13,041 To 13,169	
Thg. Size 2 3/8"	Wt. 4.7#	d 1.995	Set At 13,030	Perforations: From OPEN-ENDED	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE				Packer Set At 12,965'	
Producing Thru Tubing		Reservoir Temp. °F 204° @ 13,030		Mean Annual Temp. °F 60°	
				Base Press. - P <sub>g</sub> 13.2	
State New Mexico					
L 13,030	H 13030	G <sub>g</sub> .6825	% CO <sub>2</sub> .433	% N <sub>2</sub> .391	% H <sub>2</sub> S
				Prover	Meter Run 3.826
				Taps Flange	

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h <sub>w</sub>	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI									PKR	CHOKE	72 Hrs.
1.	3.826	x	.750	300	1"	82°	2830	70°		5/64	1 Hr.
2.	3.826	x	.750	570	2	98	2050	70		7/64	1 Hr.
3.	3.826	x	.750	630	9	93	1440	70		9/64	1 Hr.
4.	3.826	x	.750	630	10	98	860	70		13/64	1 Hr.
5.	3.826	x	.750	570	5	98	520	70		24/64	1 Hr.

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P <sub>m</sub>	Flow Temp. Factor Ft.	Gravity Factor F <sub>g</sub>	Super Compress. Factor, F <sub>pv</sub>	Rate of Flow Q, Mcfd
1	2.662	17.69	313.2	.9795	1.210	1.030	57.49
2	2.662	34.15	583.2	.9653	1.210	1.051	111.60
3	2.662	76.08	643.2	.9697	1.210	1.058	251.41
4	2.662	80.20	643.2	.9653	1.210	1.056	263.33
5		51.15	523.2	.9653	1.210	1.046	166.35

NO.	P <sub>r</sub>	Temp. °R	T <sub>r</sub>	Z	Gas Liquid Hydrocarbon Ratio
1.	.47	542	1.42	.943	59.08 Mcf/bbl.
2.	.87	558	1.46	.905	A.P.I. Gravity of Liquid Hydrocarbons 50.8 @ 60°
3.	.96	553	1.45	.894	Specific Gravity Separator Gas .683
4.	.78	558	1.46	.896	Specific Gravity Flowing Fluid XXXXX
5.		558	1.46	.914	Critical Pressure 672 P.S.I.A.
					Critical Temperature 381 R

P <sub>c</sub> 5769.2      P <sub>c</sub> <sup>2</sup> 33283.7				
NO.	P <sub>r</sub> <sup>2</sup>	P <sub>w</sub>	P <sub>r</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>
1		4894.2	23953.2	9330.5
2		3757.2	14116.6	19167.1
3		2558.2	6544.1	26739.6
4		1542.2	2378.4	30905.3
5		1123.2	1261.6	32022.1

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{33283.7}{30905.3}$$

$$ACF = Q \left[ \frac{P_r^2}{P_c^2 - P_w^2} \right]^n = 283.56$$

$$(2) \left[ \frac{P_r^2}{P_c^2 - P_w^2} \right]^n = 1.076$$

Absolute Open Flow	283.56	Mcf/d @ 15.025	Angle of Slope @	45°	Slope, n	1.000
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Remarks: Calculated from known Bottom Hole Pressures by Kuster Gauge.	
Well made 1 BBL. of condensate during test.	

Approved By Commission:	Conducted By: R.B.	Calculated By: J.D.	Checked By: John Davis
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