Submit To Appropriate District Office Two Copies District I 1625 N. French Dr., Hobbs, NM 88240					State of New Mexico Energy, Minerals and Natural Resources						Form C-105 Revised August 1, 2011						
District III  District III					Oil Conservation Division						1. WELL API NO. 30-025-41888 2. Type of Lease						
1000 Rio Brazos Rd., Aztec, NM 87410 District IV						122	20 South St	t. Fr	ancis I	Or.		X STA	TE	☐ FEE		ED/IND	IAN
1220 S. St. Francis Dr., Santa Fe, NM 87505 Santa F								nta Fe, NM 87505					d Gas	Lease No	· VB	2294	
WELL COMPLETION OR RECOMPLETION REPORT AND LOG									1 4 4 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1								
4. Reason for filing:  5. Lease Name or Unit Agreement Name Gramma 27 State									OCD								
COMPLETION REPORT (Fill in boxe					ses #1 through #31 for State and Fee wells only)						6. Well Number:						
					(Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or osure report in accordance with 19.15.17.13.K NMAC)					5. Lease Name or Unit Agreement Name  Gramma 27 State  6. Well Number:  2H  R OTHER  9. OGRID  249099  11. Pool name or Wildest							
∑ NEW V	WELL [	□ WOF	RKOVER		DEEPE	NING	□PLUGBACK	ACK DIFFERENT RESERVOI				R OTHER					WED .
8. Name of Opera	itor Ca:	za Op	erating	ı. LL							9. OGRID 249099					BECEL	
10. Address of O	perator		<u></u>	,,				-				11. Pool name or Wildcat					
	200	) N. L	oraine,	Sui	ite 15	50, M	idland, Texa	as 79	9701			Grama Rido	је Вс	ne Sp	ring; N	lorthea	ast 28435
12.Location	Unit Ltr	r S	ection		Towns	hip	Range Lo			Feet from	the	N/S Line	Feet from the E/W		E/W I	ine	County
Surface:	Α	2	.7		21-S		34-E			330	_	North	500		Ea	st	Lea
BH:	Р	2			21-8		34-E		349			South		8300			Lea
13. Date Spudded 6-11-2014		Date T.D <b>9-201</b>	Reache	d !	15. E	Oate Rig '-12-2	Released 014		16	5. Date Comp	leted	(Ready to Prod	luce)		7. Elevat T, GR, e		and RKB, 688 GR
18. Total Measur 14,650	ed Depth	of Well	Ī		1	14,592		oth	20	). Was Direc Yes	tiona	al Survey Made?  21. Type Electric and Other Logs Run					
22. Producing Int	erval(s),	of this c	completio	n - To	- Top, Bottom, Name												
23.		· · · · ·					ING REC	OR			rin						
13-3/8	ZE	54.5	EIGHT I	_B./F	3./FT. DEPTH SET 1810				HOLE SIZE 17-1/2			CEMENTIN 1528 sks	CORD	NA AN	AMOUNT PULLED NA		
9-5/8	•	40			5700				12-1/4			1685 sks C			NA		
5-1/2		20			14,640			8-3/4		1715 sks H			NA				
						1 1511	CD DECODD				Las		TIDD	IC DEC	ODD		
SIZE	TOP			BOT	LINER RECORD  OTTOM   SACKS CEMEN			ENT			25. SIZ	TUBING REZE DEPTH S					ER SET
											-	-7/8	9607		9609		
										_							
26. Perforation 14,572 ft -	record (:	interval, '5 ft /	size, and	num	iber)	0" EI	HD			CID, SHOT I INTERVAI	_	ACTURE, CE AMOUNT A					
14,5 <i>F</i> 2 it =	10,57	5 11 (	,000 11	OIC	S) .¬	U LI	٠.		$\vdash$	72-10.5		42,715					=
					14,572-10							75 3,217,040 lbs 30/50 ceramic +					
1									·			59,380	lbs 3	<u>30/50</u>	white	e sd	· · · · · · · · · · · · · · · · · · ·
28.										TION	,						
	Date First Production Production Method (Flowing, gas lift, pumping - Size and type pump) Well Status (Prod. or Shut-in)																
8-16-2014 Date of Test		rs Tested		OWI			Prod'n For		Oil - Bl	L1	Co	Production   Produ		iter - Bbl		Con (	Dil Patio
1			Choke Size 42/64			Test Period		679			146	952		. Gas - Oil Ratio 1688/1			
Flow Tubing Casing Pressure C			Calculated 24- Oil - Bbl.			Oil - Bbl.		Gas - MCF			Water - Bbl.		Oil Gravity - API - (Co				
Press. 370 0 Hour Rate 679 1146 952 40.0																	
29. Disposition of Gas (Sold, used for fuel, vented, etc.)  Vented  30. Test Witnessed By Robert Gilbert																	
31. List Attachm		104 C	)irectio	nal	الم/۸/	Rore	Schematic,	C-13	29 C-1	04 Test (	)il						
32. If a temporary										04 1031 0	<i>7</i> 11.						
33. If an on-site l	ourial wa	s used a	t the well	, repo	ort the e	exact loc		site bu	ırial:								
I hereby certi	fy_that i	the inf	ormatic	n\sh	own o	on both	Latitude In sides of this	forn	n is true	and com	lete	to the best of	of mv	knowle	dge an	<u>NA</u> d belie	<u>AD 1927_1983_</u> f
Signature	Pho	المسا	2.6	Je,	24	. 1	Printed Name Richa	-		_		Operations			_		8-25-14
E-mail Addre	ss rwr	ight@	cazap	etro.	.com										1		
										SEP	0 8	3 2014	-		<i>-</i>	. –	

## **INSTRUCTIONS**

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

## INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

T. Anhy 1685 T. Canyon T. Ojo Alamo T. Penn A" T. Salt 1822 T. Strawn T. Kirtland T. Penn. "B" B. Salt 4115 T. Atoka T. Fruitland T. Penn. "C" T. Yates 4125 T. Miss T. Pictured Cliffs T. Penn. "D" T. 7 Rivers T. Devonian T. Cliff House T. Leadville T. Queen T. Silurian T. Menefee T. Madison T. Grayburg T. Montoya T. Point Lookout T. Elbert T. San Andres T. Simpson T. Mancos T. McCracken T. Glorieta T. McKee T. Gallup T. Ignacio Otzte T. Paddock T. Ellenburger Base Greenhorn T. Granite T. Blinebry T. Gr. Wash T. Dakota T. Tubb T. Delaware Sand 5720 T. Morrison T. Drinkard T. Bone Springs 8330 T. Todilto T. Abo T. Brushy Canyon-6830 T. Entrada T. Wolfcamp T. 2nd Bone Sprgs-10104 T. Wingate T. Penn T. Cieso (Bough C)	Southea	stern New Mexico	Northwestern New Mexico				
B. Salt         4115         T. Atoka         T. Fruitland         T. Penn. "C"           T. Yates         4125         T. Miss         T. Pictured Cliffs         T. Penn. "D"           T. 7 Rivers         T. Devonian         T. Cliff House         T. Leadville           T. Queen         T. Silurian         T. Menefee         T. Madison           T. Grayburg         T. Montoya         T. Point Lookout         T. Elbert           T. San Andres         T. Simpson         T. Mancos         T. McCracken           T. Glorieta         T. McKee         T. Gallup         T. Ignacio Otzte           T. Paddock         T. Ellenburger         Base Greenhorn         T. Granite           T. Blinebry         T. Gr. Wash         T. Dakota           T. Tubb         T. Delaware Sand         5720         T. Morrison           T. Drinkard         T. Bone Springs         8330         T.Todilto           T. Abo         T. Brushy Canyon- 6830         T. Entrada           T. Yolfcamp         T. 2nd Bone Sprgs-10104         T. Wingate           T. Penn         T. Chinle	T. Anhy 1685	T. Canyon_	T. Ojo Alamo	T. Penn A"			
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T. Penn T. T. Chinle	T. Wolfcamp						
T. Cisco (Rough C) T. T. Permian	T. Penn		T. Chinle				
	T. Cisco (Bough C)	T.	T. Permian	OH OP CAS			

				OR GAS OR ZONE
No. 1, from	to	No. 3, from	to	
No. 2, from	to	No. 4, from	to	
	IMPORT	TANT WATER SANDS		
Include data on rate of v	vater inflow and elevation to whi	ich water rose in hole.		
No. 1, from	to	feet		
No. 2, from	to	feet	• • • • • • • • • • • • • • • • • • • •	
No. 3, from	to	feet	• • • • • • • • • • • • • • • • • • • •	
	LITHOLOGY RECO	ORD (Attach additional sheet if n	ecessary)	

From	То	Thickness In Feet	Lithology	From	То	Thickness In Feet	Lithology
}							
}							

## Gramma 27 State #2H-2nd Bone Springs Caza Oil&Gas,Inc. Location: NE/NE Section 27\_T21S\_R34E\_Lea County, New Mexico API #30-025-41888 HOBBS OCD Depth (TVD-ft) Wellbore Sketch 20" Cond @ ± 139' AUG 27 2014 13.375" 54.5# J-55 ST& RECEIVED 1000 @ 1810 ft\_ 17-1/2" hole Cmt w/ 1306 sks lead 13.5 ppg + 2000 200 sks tail 14.8 ppg "C". Cmt circulated to surface. HOBBS OCD 3000 AUG 27 2014 csg pkr & Stge tool 4000 3874-3902 RECEIVED 5000 9.625" 40 & 40# J-55 & HCK LT&C @ 6000 5700 ft 12-1/4" hole. 2-7/8" 6.5 L-80 EUE 8rd Cmt w/ 1st stg w/ 365sks 65:35:6 C/poz 12.4 ppg + 345 sks tail 14.8 7000 ppg "C". 2nd stg cmt'd w/ 775 sks

"C" 14.8 ppg.
KOP 9721 ft. TVD of lateral 10,308268 ft.

14,650 ft Measured depth of lateral.
TVD 10,307-10,268 ft.
5-1/2" 20 lb HCP 110 CDC HTQ csg @
14,640'. PBTD FC 14,592
Perfs 14,572-10,575 ft (506 holes)

Acid soluble cmt

Acid soluble cmt

8.75" Pilot hole drilled to 10,246 ft MD. Cut 190' Core. Run Gyro, plug back. KOP  $\pm$  9717. Curve Drilled with 8.75" insert bit.

11000

12000

Cmt'd w/ 1,000 sks 65/35 "H" poz 12.6 ppg. Tailed w/ 715 sks Acid soluble "H". 6 hr pmp time 24 stage frac used 3,217,040 lbs 30/50 carbolite + 59,380 lbs 30/50 white sd. 1,017 bbls 15% HCL. Total load 71,666 bbls.

65:35:6 C/poz 12.4 ppg + 200 sks