District I 1625 N. French Dr., Hobbs, NM 88240	State of New Mexico	Form C-101 Revised July 18, 2013
Phone: (575) 393-6161 Fax: (575) 393-0720 District [[Energy Minerals and Natural Researces	Revised July 18, 2015
811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720	Oil Conservation Division	AMENDED REPORT
District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170	Oil Conservation Division 1220 South St. Francis Dr.	
District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462	Santa Fe, NM 87505 RECEIVED	

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APPLICATION FOR PERMIT TO DRILL RE-ENTED DEEPEN DI LICRACK OR ADD A ZONE

	CAIR				IND-DIVI	IER, DE	JEIL EIN,	TLUGDAC		DDALONE		
^C Operator Name and Address CAZA OPERATING, LLC. 200 NORTH LORAINE SUITE 1550						² OGRID Number 249099						
MIDLAND, TEXAS 79701						30-025- 42033						
⁺ Рторе 400	nty Code 96	7	GRAMMA	"27" STA	Property Nar TE	ne		· ·	0	Well No. 4H		
⁷ Surface Location												
UL - Lot A	· Section 27	Township 21S	Range 34E	Lot Idn	Feet from 330'	NORT	/S Line 'H	Feet From 330'	E/W Line EAST	County LEA		
* Proposed Bottom Hole Location												
UL - Lot	Section	Township	' Range	• Lot Idn	Feet from		/S Line	Feet From	E/W Line	County		
Р	27	21S	34E		330'	SOU	TH	660'	EAST	LEA		
	⁹ Pool Information											
GRAMMA RIDGE-BONESPRING NORTHEAST 28435												
			·	Addition	nal Wall In	formation		· · · · · · · · · · · · · · · · · · ·				
					13. Cable/Rota	tary ¹⁴ . Lease Type / ¹⁵ . Ground Level Elevation				Ground Level Elevation		
N 16. MI	ltiple .		O ^{17.} Proposed Depth		ARY ^{18.} Formatio			S ^{19.} Contractor	36	20. Spud Date		
NO		15,6	50 MD	BO	NE SPRI	NG	UNKNO		WHEN	APPROVED		
Depth to Grou	to Ground water Distance from nearest fresh water 100' .5 miles Northeast											
X We will be					nease o.		.1011					
X We will be using a closed-loop system in lieu of lined pits 21. Proposed Casing and Cement Program												
Туре	Hol	e Size	Casing Size	Casing We			g Depth	Sacks of	Cement	Estimated TOC		
Surface	17	111	13 3/8"	54.5#		1800'		1506 S	x.	Surface		
Intermed	l. 12	<u>1</u> "	9 5/8"	40#		5700'		1332 \$	Sx.	Surface		
Producti	Production 8 3/4" 5½" 20#				15,650' 1825 Sx.			x.	. 5000' FS			
	·····			ng/Cement Pr		ditional (Comment	S				
			SEE ATT	ACHED SHE	EET							
			22.	Proposed Bl	owout Prev	vention Pr	ogram					
Туре		Working Pressure		Test Pressure		sure	Manufacturer					
DOUBLE RAM 5000 PSI				3000 PSI CAMERON OF			OR SCHAFFER					
			····									
^{23.} I hereby certify that the information given above is true and complete to the best of my knowledge and belief.					e to the	OIL CONSERVATION DIVISION						
I further certify that I have complied with 19.15.14.9 (A) NMAC 🗌 and/or				and/or	Approved By:							
19.15.14:9 (B) NMAC , if applicable			a .	P Blands								
Printed rame: Joe T. Japíjca					Title: Petroleum Engineer							
Title: Permit Eng.				Approved Date: 08/11/14 Expiration Date: 08/11/16								
E-mail Address: joejanica@valornet.com					E-PERMITTING New Well P.M -							
						Conditions Comp P&A TA						
CSNG Loc Chng												
AUG 1 1 2014 ReComp Add New Pool Cancl Well Create Pool												
Cancl Well Create Pool												

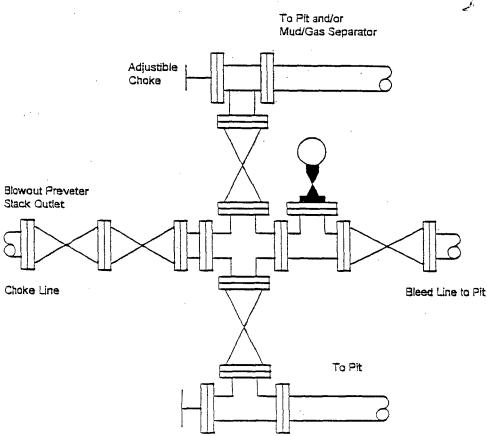
- 1. Drill 26" hole to 120'. Set 120' of 20" conductor pipe and cement to surface with Redi-mix.
- 2. Drill 17¹/₂" hole to 1800'. Run and set 1800' of 13 3/8" 54.5# J-55 ST&C casing. Cement with 1306 Sx. of Class "C" cement + 4% Gel, + 2% CaCl, Yield 1.74, tail in with 200 Sx. of Class "C" cement + 2% CaCl, Yield 1.32, 100% Excess, circulate cement to surface.
- 3. Drill 12¹/₄" hole to 5700'. Run and set 5700' of 9 5/8" casing as follows: 1800' of 9 5/8" 40# HCK-55 LT&C casing, 3900' of 9 5/8" 40# J-55 LT&C casing. Cement with 1032 Sx. of 35/65 Class "C" POZ cenent + 5% Salt, + 6% Gel, Yield 2.09, tail in with 300 Sx. of Class "C" cement + 1% CaCl, Yield 1.32, 100 % Excess, circulate cement to surface.
- 4. Drill 8 3/4" hole to 10,650'. Run Gyro, and open hole logs. KO point 10,737'± drill 8 3/4" hole to 11,450' MD, (11,214' TVD) continue to drill lateral with 8 3/4" bit to 15,650±'MD. Run and set 15,650' of 5½" 20# HCP-110 CDC HTQ collars. Cement with 1100 Sx. of 65/35 Class "H" POZ cement + 0.25# of KOL seal/Sx. Yield 1.89, tail in with 725 Sx. of Class "H" SoluCem cement + Fluid loss control + Defoamer (Acid soluble) Yield 2.59, 50% Excess Estimated top of cement 5000' from surface.

BLOWOUT PREVENTER SYSTEM

Fill Line

5000 PSI

Choke Manifold Assembly for 5M WP System



Flow Line R-Blind Rams **R-Pipe Rams** Drilling Spool Choke Manifold

Type 1500 SERIES 5000 psi WP

Adjustible Choke



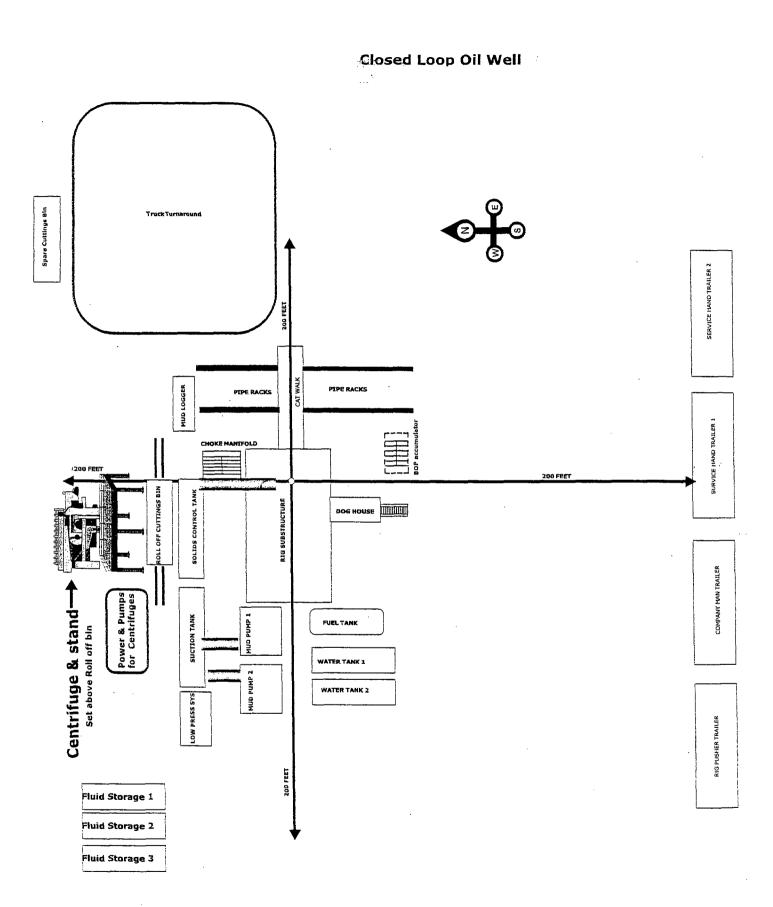
Gramma 27 State # 1H Sec 27, T21S, R34E, Closed Loop Drilling System

Operations and Maintenance Plan

Closed Loop equipment will be inspected and monitored closely on a daily basis by each drilling rig Tour and by those hired specifically to operate the equipment. Any leak or release detected will be repaired immediately and the proper NMOCD official will be notified within the 48 hr requirement. A large release will require Caza Operating, LLC representatives to contact OCD immediately at the Hobbs @ 575 393 6161 as stated by NMOCD rule 116.

Closure Plan

During and after drilling operations, liquids (which apply), all drill cuttings and drilling fluids will be hauled and disposed of at the R-360 disposal (permit number NM 01-0006) located about 30 miles East of Carlsbad, New Mexico. An alternate approved disposal site has been selected Parabo disposal "Sundance " which is 4 miles East of Eunice (permit number NM 01-0003). The Second site would be used in the event of economics or physical problems with R-360 disposal.



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Note: The Rig and Closed System Company for this well have not been selected thus the set up shown is simply generic.