District 1

i625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III

1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District IV

State of New Mexico HOBBS OCD Energy Minerals and Natural Resources

Oil Conservation Division

DEC 1 6 2013

1220 South St. Francis Dr.

☐AMENDED REPORT

Form C-101 Revised July 18, 2013

1220 S. St. Franc Phone: (505) 476			RECE	NED	Sa	inta Fe, NM	£87505						
APPLI	<u>[CATIO</u>	N FOR	PERMIT	me and Ad	RILL, RE-	ENTER, D	EEPEN	, PLUGBACK	OR ADI				
Operator Name and Address VANGUARD PERMIAN LLC P O BOX 1570 281 NORTH NM HIGHWAY 248 EUNICE, NM 88231						18							
			EUNICE,	NIVI 0023	3 1				³ API Number 30-025-10337				
4. Prop	erty Code	114				rty Name TE C			^{6.} Well No.				
	21-5	77			7. Surface	***				1			
UL - Lot	Section	Township	Range	· L			N/S Line	Feet From	E/W Line	County			
F	17	228	37E			1980	NORTH	1981.5	WEST	LEA			
	Proposed Bottom Hole Location												
UL - Lot	Section	Township	Range	La	ot Idn Fe	eet from	N/S Line	Feet From	E/W Line	· County			
	<u> </u>		·		9. Pool Inf	formation		·					
		P	ENRO?	SE 5	Pool Name	. –	YBURE		Pool Code 50350				
					dditional We	• •	•						
Wor	rk Type		12. Well Type OIL	2. Well Type 13. Cable/Re OIL				14 Lease Type STATE		. 15. Ground Level Elevation 3405			
	ultiple	S. E. Container	3929				URG			^{20.} Spud Date			
Depth to Grou	ind water	• • •	v	istance fron	n nearest fresh wa	ater well	er well Distance to nearest surface water						
☐We will be	_	· · · · · ·		21. Propo	osed Casing a				· · · · · · · · · · · · · · · · · · ·				
Туре	Hole	Size	Casing Size	C	asing Weight/ft		ing Depth	Sacks of Cer	nent	Estimated TOC			
			8 5/8				315	210		·			
			5 1/2			3	3435	300					
_			4" Lnr	l" Lnr		340	0-3929	. 70					
			Ca	sing/Cerr	nent Program	i: Additional	Comment	s					
	. " <u> </u>	· <u>· · </u>	·. ·	^{22.} Propo	sed Blowout	Prevention F	rogram	•		• • .			
	Туре				Pressure	-1	Test Pres	ssure	Mar	ufacturer			
21													
						· .							
best of my kno	wledge and	belief.	•		complete to the		OIL	CONSERVATION	ON DIVISION	ON			
19.15.14.9 (B) Signature:					nac [] and o	Approved I	Approved By:						
Printed name:	GAYE	HEARD	····			Title: P	Title: Petroleum Engineer						
Title: AGENT						Approved Date: 12/16/13 Expiration Date: 12/16/13							
E-mail Address	s: gheard@c	oilreportsing	c.com				· 						
Date: 12-13-13	3		Phone: 575-	-393-2727		Conditions	Conditions of Approval Attached						

VANGUARD PERMIAN LLC

STATE C#1

API #30-025-10337

Sec 17 T22S R37E

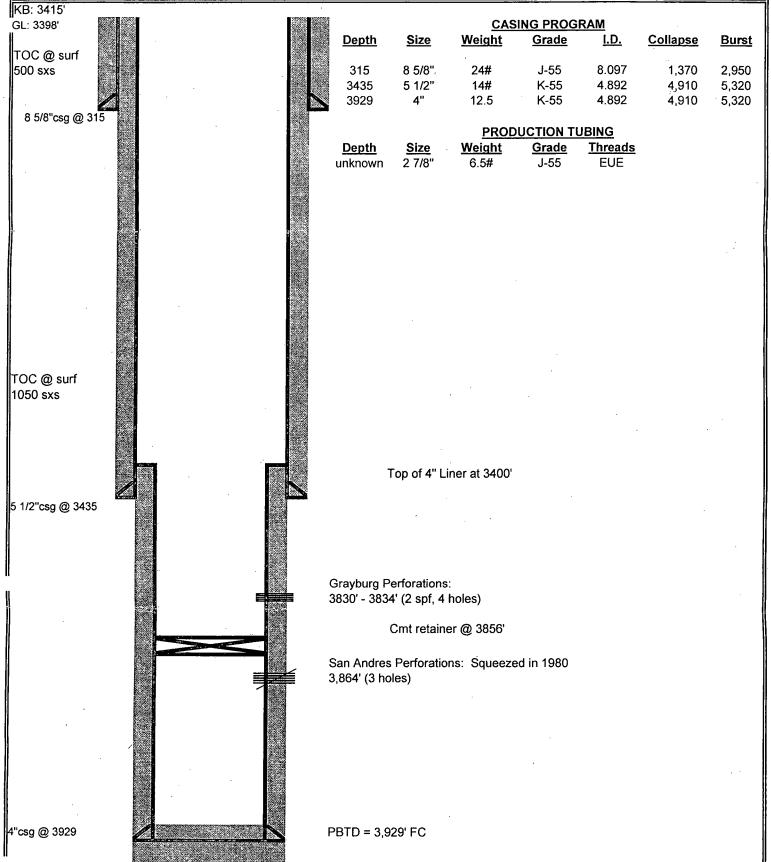
- 1. Unseat pump and POOH w/rods and pump
- 2. ND WH and NU BOP. Kill well with 2% KCL water, if necessary. Release TAC and POOH w/tubing.
- 3. PU, strap and TIH with 3 1/8" bit, 20 jts 2 1/16" CS Hydril and 2 7/8" tubing. Clean out hole to PBTD (3856') until clean returns, POOH.
- 4. MI wireline w/packoff. RIH and GR/CCL
- 5. Perforate as follows:
 - a. 3712-3716 (4', 8 shots)
 - b. 3740-3742 (2', 4 shots)
 - c. 3770-3774 (4', 8 shots)
 - d. 3781-3783 (2', 4 shots)
 - e. 3792-3798 (6', 12 shots)
 - f. 3805-3820 (15', 30 shots) (66 total shots)
- 6. PU a 5 ½" Arrowset I packer and RIH to ~3350', above 4" liner top at 3400'. Load tubing/hole with 2% KCl and set packer. Test csg/packer down backside to 3500 psi.
- 7. MIRU pump truck and test lines to 3500 psi.
- 8. Pump 4000 gals 15% NEFE acid with rock salt.
 - a. Pump 500 gal then pump rock salt over next 3000 gals.
 - b. Pump last 500 gals and flush to 3776'.
 - c. Record ISIP, 5 min, 10 min and 30 min
- 9. RU swabber and swab well in to test acid job. Recover load and report fluid/gas entry.
- 10. RIH w/rods and pump.
- 11. Turn well on production.



State C #1 Grayburg - 30-025-10337

Lea County, New Mexico

CURRENT COMPLETION - 10/2013



Note: This schematic is not to scale. For display purposes only.



State C #1

Grayburg - 30-025-10337

Lea County, New Mexico PROPOSED COMPLETION - 11/2013

KB: 3415'								_		
GL: 3398'				CAS	NG PROG	RAM				
		<u>Depth</u>	<u>Size</u>	Weight	Grade	I.D.	<u>Collapse</u>	<u>Burst</u>		
TOC @ surf										
500 sxs		315	8 5/8"	24#	J-55	8.097	1,370	2,950		
		3435	5 1/2"	14#	K-55	4.892	4,910	5,320		
		3929	4"	13.4#	N-80	3.340	12,110	11,550		
8 5/8"csg @ 315			•			3.215"	Drift	. ,		
				PROD	UCTION TU					
		<u>Depth</u>	Size	Weight	<u>Grade</u>	Threads				
		unknown	2 7/8"	6.5#	J-55	EUE				
			_ 110	5.511	- 00					
					•					
		•								
								1		
				*						
								i		
TOC @ surf				•						
1050 sxs				•						
		•	٠.	Top of 4" Lie	ner at 3400'					
		Top of 4" Liner at 3400'								
E 4/01 0 0425				•						
5 1/2"csg @ 3435	Ĭ							[
		Grayburg Pe	erforations	:	_		_			
		3712' - 3716				ROPOSE		i		
		3740' - 3742				ROPOSEI				
		3770' - 3774				ROPOSEI				
		3781' - 3783			•	ROPOSE	_	#		
		3792' - 3798				ROPOSE				
	3	3805' - 3820	(2 spf, 30	Holes)	F	ROPOSEI	ט י	1		
		.						·		
		Grayburg Pe						Ì		
	3	3830' - 3832	(2 spf, 4 l	noles)						
								į		
		(Cmt retain	er @ 3856'		•				
				ns: Squeeze	d in 1980			i		
		3,864' (3 hol			_					
1		•			•					
))		
4"csg @ 3929	F	PBTD = 3,92	29' FC							
							w			
"										
Note: This scher	น matic is not	to scale. For	display nun	poses only.						
I	10 1101		opidy pull	,						