	State of New Mexico	Form C-103
Office District I – (575) 393-6161	Energy, Minerals and Natural Resources	Revised July 18, 2013
1625 N. French Dr., Hobbs, NM 88240		WELL API NO.
<u>District II</u> – (575) 748-1283	OIL CONSERVATION DIVISION	30-015-26369
811 S. First St., Artesia, NM 88210		5. Indicate Type of Lease
<u>District III</u> – (505) 334-6178 1000 Rio Brazos Rd., Áztec, NM 87410	1220 South St. Francis Dr.	STATE ☐ FEE ☒
<u>District IV</u> – (505) 476-3460	Santa Fe, NM 87505	6. State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fe, NM	•	
87505	OFG AND REPORTS ON WELLS	7 Lana Nama an Unit Assessment Nama
(DO NOT USE THIS FORM FOR PROPO	CES AND REPORTS ON WELLS SALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A CATION FOR PERMIT" (FORM C-101) FOR SUCH	7. Lease Name or Unit Agreement Name SOUTH CULEBRA BLUFF 23
PROPOSALS.) 1. Type of Well: Oil Well	Gas Well Other	8. Well Number 9
2. Name of Operator		9. OGRID Number
VANGUARD PERMIAN LLC		258350
3. Address of Operator		10. Pool name or Wildcat
1209 SOUTH MAIN ST, LOVING	TON NM 88260	EAST LOVING DELAWARE
	1011,1111 0000	Dital Both Co DEDition
4. Well Location		
Unit Letter_O:66)feet from theSOUTH line and980	feet from theEASTline
Section 23	Township 23S Range 28E	NMPM EDDY County
	11. Elevation (Show whether DR, RKB, RT, GR, etc	
0	3002 GL	
		I as set the property of the second of the s
12 Charle	appropriate Box to Indicate Nature of Notice.	Papart or Other Data
12. Check F	appropriate box to indicate Nature of Notice,	, Report of Other Data
NOTICE OF IN	TENTION TO SUE	SSEQUENT REPORT OF:
	· · · · · · · · · · · · · · · · · · ·	
PERFORM REMEDIAL WORK	PLUG AND ABANDON REMEDIAL WOR	
		RILLING OPNS. P AND A
PULL OR ALTER CASING	MULTIPLE COMPL CASING/CEMEN	IT JOB
DOWNHOLE COMMINGLE		· 一下。
CLOSED-LOOP SYSTEM		
OTHER:	leted operations. (Clearly state all pertinent details, ar	
13 Describe proposed or comp		
13. Describe proposed of comp	leted operations. (Clearly state all pertinent details, ar	nd give pertinent dates, including estimated date
of starting any proposed wo	rk). SEE RULE 19.15.7.14 NMAC. For Multiple Co	nd give pertinent dates, including estimated date impletions: Attach wellbore diagram of
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of starting any proposed we proposed completion or rec	ork). SEE RULE 19.15.7.14 NMAC. For Multiple Completion. SEE ATTACHMENT	RECEIVED
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of starting any proposed we proposed completion or rec Spud Date: I hereby certify that the information SIGNATURE	Rig Release Date: Rig Release Date: TITLE AGENT_ RD E-mail address: gheard@oilreportsinc.com	PECEIVED FED 1 9 2014 ge and belief. DATE 2-18-14 PHONE: _575-393-2727
of starting any proposed we proposed completion or recompletion or recompletio	Rig Release Date: Rig Release Date: TITLE AGENT_ RD E-mail address: gheard@oilreportsinc.com	PECEIVED FED 1 9 2014 ge and belief. DATE 2-18-14 PHONE: _575-393-2727
of starting any proposed we proposed completion or rec Spud Date: I hereby certify that the information SIGNATURE Type or print nameGAYE HEA	Rig Release Date: Rig Release Date: TITLE AGENT_ RD E-mail address: gheard@oilreportsinc.com	RECEIVED FED 1 9 2014 ge and belief. DATE

VANGUARD PERMIAN LLC

SOUTH CULEBRA BLUFF 23 #9

Sec 23 T23S R28E API #30-015-26369

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MIRU completion rig and test anchors.
1.
               Kill well with 2% KCL water, if necessary. Unseat pump and POOH w/ rods and
2.
pump.
               ND WH and NU BOP. Release TAC and POOH w/ tubing.
3.
               PU, strap and TIH with 4-3/4" bit, 5-1/2" casing scraper and 2-7/8" tubing.
4.
Clean out hole to PBTD (6303') until clean returns, POOH
               MI wireline w/ packoff. RIH GR/CCL & Casing guns, correlate to the Atlas
Density/Neutron/GR log dated 6/7/1990.
               MU 3-1/8" casing guns set at 2 spf, 120° phasing (0.38" hole, 39.5"
penetration).
               Perforate as follows:
7.
         5762' - 5772' (10', 20 shots)
a.
        5808' - 5823' (15', 30 shots)
b.
         5912' - 5920' (8', 16 shots)
С.
        5966' - 5998' (32', 64 shots)
        6036' - 6050' (14', 28 shots), total 158 shots
e.
8.
               PU a 5-1/2" RBP and a 5-1/2" Arrowset I packer on tubing and RIH to ~6100' and
9.
set RBP.
            Pull up to set Arrowset packer at ~5750'. Load tubing/hole with 2 % KCl and set
10.
         Test csg/packer down backside to 3500 psi.
packer.
            MIRU pump truck and test lines to 3500 psi.
11.
            Pump 4500 gals 15% NEFE acid with rock salt.
12.
         Pump 500 gal then pump 2000 lbs rock salt over next 3000 gals.
a.
        Pump last 1000 gals and flush to 6050'.
b.
         Record ISIP, 5 min, 10 min and 30 min.
с.
            RU swabber and swab well in to test acid job. Recover load and report fluid/gas
13.
entry.
            Release Arrowset packer and GIH to retrieve RBP at ~6100', POOH.
14.
       Lay out packer and RBP.
15.
       RIH w/5-1/2" TAC, SN and 2-7/8" tubing.
16.
            RIH w/ rods and pump.
17.
            RD & MO.
18.
            Turn well on to production.
```

19.



SCB 23 #9

Loving East - 30-015-26369

Eddy County, New Mexico PROPOSED COMPLETION - 1/2014

			PROF	POSED COM	IPLETION -	- 1/2014				
KB: 3016.9'	-									·- · · · · · · · · · · · · · · · · · ·
GL: 3002'					. '		SING PROG			
				<u>Depth</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>I.D.</u>	<u>Collapse</u>	<u>Burst</u>
TOC @ surf		1 1								
350 sxs				545'	8 5/8"	24#	J-55	8.097	1,370	2,950
				6350'	5 1/2"	15.5#	J-55	4.950	4,040	4,810
8 5/8"csg @ 545"		1 1							•	
							DUCTION TO			
		1 1		<u>Depth</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	Threads		
				6162'	2 7/8"	6.5#	J-55	EUE		
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							1	- ARTE	ESIA	
TOC @ surf							V NIRAO	سندر دا:		
950 sxs							1/4/1			
DV Tool @ 3479'	148-06-kö		S1335							
2. 1001 @ 0170										
					•					
				Brushy Ca	nyon AA Pe	erforations:				
				5,762' - 5,7	772' (2 spf,	20 holes)		PROPOSE	D	
				5,808' - 5,8	823' (2 spf,	30 holes)		PROPOSE	D	
				5,858' - 5,8	360' (6 spf,	13 holes)				
				5,912' - 59	20' (2 spf,	16 holes)		PROPOSE	D	
1	ji T		80							
1					nyon A Per		Frac'd AA	, A&B toge	ther in 2005	
1	- 1				952' (5 spf,					
1] . }		5,966' - 5,9	998' (2 spf,	64 holes)		PROPOSE	D	
1										
					•					
					nyon B Per					
					032' (5 spf,					
				6,036' - 6,0	050' (2 spf,	28 holes)		PROPOSE	Đ	
<u> </u>		1 1		D : *	2.5					
1					nyon C Per		_	- ,,, ,=		
			**************************************		140' (2 spf,		F	rac'd in 19	990	
			3660		150' (2 spf,					
1			25/27/04		160' (2 spf,					
1			10000000		180' (2 spf,			•		
{				0,205 - 6,2	209' (2 spf,	o noies)				
1										
ll .					a . a. = =					
				PBTD = 6,	340' FC					
5 1/2"csg @ 6350'										
II.		Note: Th	nis schematic is	not to scale F	or display ou	irnoses only				

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



SCB 23 #9

Loving East - 30-015-326369

Eddy County, New Mexico CURRENT COMPLETION - 1/2014

KB: 3016.9'	er en or a statement and a								
GL: 3002'						ING PROGE			_ ,
Too 0			<u>Depth</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>I.D.</u>	<u>Collapse</u>	<u>Burst</u>
TOC @ surf			E 4 E 1	0 <i>E (</i> 0!!	2.4#	l EE	9.007	1 270	2.050
350 sxs		a de	545' 6350'	8 5/8" 5 1/2"	24# 15.5#	J-55 J-55	8.097 4.950	1,370 4,040	2,950 4,810
			0330	5 1/2	15.5#	,0-00	4.930	4,040	4,010
8 5/8"csg @ 545"									
0 3/0 039 @ 040					PROD	UCTION TU	IBING		
			<u>Depth</u>	<u>Size</u>	Weight	<u>Grade</u>	Threads		
			6162'	2 7/8"	6.5#	J-55	EUE		
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TOC @ surf									
950 sxs									
DV Tool @ 3479'	8968507.75	e transfera							
			Brushy Car	nyon AA Pe	erforations:			•	
1			5,858' - 5,8						
			Brushy Car			Frac'd AA,	A&B toget	ther in 2005	
)			5,950' - 5,9	52' (5 spf, '	10 holes)				
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			Brushy Car	ovon B Perl	forations:				
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) <u>.</u>			Brushy Car						
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		\$64.W(50)	6,148' - 6,1						
		Parison	6,156' - 6,1 6,164' - 6,1						
1			6,205' - 6,2						
			0,200 - 0,2	.00 (2 3pi, (J 110103)				
		 							
	<u> </u>		PBTD = 6,3	340' FC					
5 1/2"csg @ 6350'			. = . = 0,0						
	N	ote: This schematic is	not to scale. Fo	or display pu	rposes only.				
					•				

<u>District I</u>
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
<u>District II</u>

811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

<u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462 State of New Mexico RECEIVED
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION 19 2014
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1	API Numbe	ber 2 Pool Code 3 Pool Name												
	30-015-26369)		40370			EA	EAST LOVING DELAWARE						
4 Property	Code		⁵ Property Name						⁶ Well Number					
31239	9	SOUTH CULEBRA BLUFF 23 9							9					
⁷ OGRID	No.	8 Operator Name 9 Elevation							Elevation					
25835	50			V	ANGUAR	D PE	RMIAN LLC				3002			
					¹⁰ Surf	ace I	Location			•				
UL or lot no.	Section	Township	Range	Lot Id			North/South line	Feet from the	East/Wes	st line	County			
0	23	23S	28E		660		SOUTH	1980	EAS	T	EDDY			
			" Bo	ttom Ho	ole Locati	on If	Different Fron	n Surface	····	- · · · · ·				
UL or lot no.	Section	Township	Range	Lot Id	Lot Idn Feet from the		North/South line	Feet from the	East/	West line	County			
12 Dedicated Acre	es 13 Joint o	or Infill	Consolidation	Code 15 C	Order No.				· · · · · · · · · · · · · · · · · · ·					
							,							
No allowable division.	will be as	signed to t	his complet	ion until	all interests	have	been consolidated	or a non-standa	rd unit has	been ap	proved by the			
16	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and comple													
								to the best of	to the best of my knowledge and belief, and that this organization either					
								lí.	owns a working interest or unleased mineral interest in the land including					
							,	li	the proposed bottom hole location or has a right to drill this well at this					
								ll -	location pursuant to a contract with an owner of such a mineral or workin					
								II	interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division					

to the best of my knowledge and beleft, and that this exganization either convix a working interest or mile condition in the local into the hord into the local into the boat on to have a right to drill this world at this because the proposed between hole localine on here a right to drill this world in the local more of working interest or to a volumery pooling exprement or a common pooling exclusive by the division.

2-18-14

Significant Date

GAYE HEARD

Printed Name

sheard@eitroportsine.com

E-mail Address

"SURVEYOR CERTIFICATION

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 belief.

Date of survey

Signature and Seal of Professional Surveyor: