

Submit 1 Copy To Appropriate District Office  
District I - (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II - (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV - (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised August 1, 2011

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-26472
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator <b>VANGUARD PERMIAN LLC</b>		6. State Oil & Gas Lease No.
3. Address of Operator <b>P.O. BOX 5847 SAN FELIPE, SUITE 3000 HOUSTON, TX 77057</b>		7. Lease Name or Unit Agreement Name ONSUREZ
4. Well Location Unit Letter F : 1980 feet from the N line and 1980 feet from the W line Section 11 Township 23S Range 28E NMPM County EDDY		8. Well Number 002
		9. OGRID Number <b>258350</b>
		10. Pool name or Wildcat LOVING; BRUSHY CANYON, EAST

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER:  
☒ ADD PERFS BRUSHY CANYON; FRAC

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

SEE ATTACHED:

NM OIL CONSERVATION  
ARTESIA DISTRICT

APR 06 2015

RECEIVED

*File C104 subsequent to work*

SIGNATURE Carie Stoker TITLE Regulatory Affairs Coordinator DATE 03/27/2015

Type or print name CARIE STOKER E-mail address: carie@stokeroilfield.com PHONE: 432-664-7659

APPROVED BY: [Signature] TITLE Dist. Supervisor DATE 4/22/15  
Conditions of Approval (if any):

**ONSUREZ WELL NO. 2**  
**WELL API NO.**  
**30-015-26472**

10/14/2014

PULL ROD PUMP: CREW TO LOCATION

PULL TUBING: NDWH; RELEASE TAC AND NUBOP; TALLY OUT OF HOLE W/ TBG; SECURED WELL AND SDON

10/15/2015

CLEAN OUT HOLE: BLEED PRESSURE DOWN PUMPED 20 BLS OF 2% KCL FOR WELL CONTROL; RU HYDROTEST TRUCK; PU 4-3/4 DRILL BIT AND 5-1/2 CASING SCRAPER; RIH AND HDROTEST ALL TBG; ALL 200 JTS TESTED GOOD; RD HYDROTEST TRUCK; PU 2 JTS TO TAG BOTTOM @ 6273' WITH 201 JTS PLUS 10'; TOH W/ TBG; LD BIT AND SCRAPER

RUN RETRIEVAL BRIDGE PLUG: PU 5-1/2 RBP AND 5-1/2 CREST PACKER; RIH WITH TBG; SET RBP @ 6062'; UNLATCH FROM RBP AND SET PACKER @ 6045'; LOADED TBG WITH 28 BLS; PRESSUE TESTED THE PLUG WITH 2000 PSI; HELD GOOD; UNSET PACKER' POOH WITH THE TBG; LD PACKER; CLOSED WELL IN; SDON

10/16/2014

PERFORATING: MIRU JSI WL MU 3-1/8 CASING GUNS SET AT 1 SPF, 180 DEGREES PHASING (0.38" HOLE, 39.5" PENETRATION); PERFORMED AS FOLLOWS:

- A. 5706' – 5710' (4', 4 HOLES)
- B. 5726' – 5730' (4', 4 HOLES)
- C. 5772' – 5776' (4' 4 HOLES)
- D. 5952' – 5958' (6' 6 HOLES)
- E. 6004' – 6006" (2' 2 HOLES)
- F. 6022' – 6024' (2' 2 SHOTS) , 22 HOLES

ACID WASH/SQUEEZE: PU 5-1/2 CREST PACKER; TIH WITH TBG; SET PACKER @5608' WITH 180 JTS; RU ACID TRUCKS; PUMPED 5 BLS OF ACID AND SPOTTED THEM WITH 24 BLS WATER; PRESSURED UP TO 3300 PSI TO BREAK THE ZONE; STARTED TO PUMP INTO THE ZONE BUT ALL OF A SUDDEN LOST ALL THE PRESSURE AND TBG WENT ON VACUUM; DID NOT PUMP THE ACID JPB; UNSET THE PACKER; RAN IN HOLE TO TAG ON THE PLUG; RBP STILL IN PLACE; SET THE PACKER JUST ABOVE THE PLUG TO RETEST, BUT THE TBG NEVER LOADED; DROPPED THE STANDING VALVE; PUMPED 5 BLS IVER CAPACITY BUT TBG NEVER GOT LOADED; UNSET THE PACKER; TOH WITH THE TBG; FOUND A SPLIT HOLE 41 JOINTS ABOVE THE PACKER; REPLACED THE BAD JOINT; FISHED THE STANDING VALVE; RIH WITH TBG; SET PACKER AGAIN @5608'; RU ACID TRUCKS; PUMPED 290 GAL OF 7.5% NEFE W/35 BALLS; DID NOT BALL OUT; MAX PRESSURE 3725 PSI, AVJ 1700PSI; MAX RATE 6.1 BPM AVJ RATE 4.8 BPM, ISIP @800 PSI 5 MIN 496 PSI AND 10 MIN WAS ON VACUUM; RDMU ACID CREW; SHUT WELL IN AND SDON

10/17/2014

SWAB WELL DOWN: NO PRESSURE ON WELL; TBG ON VACUUM; RU SWAB LUBRICATOR; MADE FIRST RUN AND HIT FLUID LEVEL @ 2600' HAD A TRACE OF OIL; MADE 2<sup>ND</sup> RUN AND HIT FLUID @ 3200' BUT COULD NOT GO PAST 3600'; PULLED THE SWAB LINE; SWAB CUPS CAME OUT FULL OF PARAFFIN; RD SWAB LUB

PULL TUBING: USET PACKER; RAN THE PACKER THRU THE PERFS TO KNOCK OUT ACID BALLS; TOH AND LD ALL TBG 200JTS; LD THE PACKER; CHANGED THE PIPE RAMS TO 3-1/2 ON THE BOP; CLOSED WELL IN SDOW

10/18/2014

GENERAL OPERATONS: WELL HAD 40 PSI; BLEED PRESSURE OFF; OPEN UP BOP; TALLY THE 3-1/2 TBG; PU 5-1/2 ARROWSET PACKER; RIH WITH THE TBG; PU A TOTAL OF 174 JTS; ND BOP; SET PACKER @5608' FLANGED WELL UP; NU FRAC VAVLE AND FRAC HEAD; CLOSED WELL IN; RIGGED UNIT DOWN; MOVED RIG OFF LOCATION; SHUT DOWN

**ONSUREZ WELL NO. 2**  
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10/23/2014

FRAC JOB: PRESSURE TEST LINES TO 4300PSI; FRACTURE STIMULATE THE BRUSHY CANYON AA, A AND B PERFS DOWN 3-1/2 TBG; STARTED ON 0 PPG SAND AND RAMPED UP TO 4 PPG AND TAILED IN WITH 5PPG OF RESIN COAT; FLUSED TO TOP PERFS AND RECORDED ISIP AND 5 MIN-15 MIN PRESSURES; SHUT IN WELL @ 1:16PM

BRUSHY CANYON AA, A AND B REPORT:

187,860 LBS OF 20/40 OTTAWA SAND RAMPED FROM 1PPG TO 4 PPG W/ 5PPG OF RC SAND  
GARNET 20/40 SAND 95.380 LBS

AVG PSI-2333 PSI

MAX PIS-2683 PSI

AVG RATE-23.6 BPM

MAX RATE 25.2 BPM

ISIP-439 PSI

5MIN-391 PSI

10MIN-375 PSI

15MIN-356 PSI

BLWTR 3302 BBLS

TOTAL PROPPANT 283.240 #

10/24/2014

GENERAL OPERATIONS: TBG PRESSURE WAS 250 PSI; FLOW WELL BACK TO HALF TANK; ALL GAS; PRESSURE BLEED OFF IN 5 MIN; RIGGED UNIT UP; ND FRAC VALVE AND HIGH PRESSURE FLANGE; NU WELL HEAD AND BOP; UNSET THE PACKER; CLOSED WELL IN; SDDOW

10/27/2014

PULL TUBING: TBG PRESSURE WAS 860 PSI; TOOK 2 HRS TO BLEED IT OFF; UNSET PACKER; TOH AND LD ALL 3-1/2 TBG; LD THE PACKER; MOVED 3-1/2 PIPE OUT OF LOCATON AND MOVED IN 2-7/8; PU RETRIEVING HEAD; PU 20 JTS; CAVITY; PU SAND BALLER; CLOSED WEELL IN; SDON

10/28/2014

CLEAN OUT HOLE: WELL HAD 280 PSI; BLEED PRESSURE OFF; CONTINUE ON PICKING UP TBG; TAGGED ON SAND @ 5976' WITH 191 JTS; BAILED SAND DOWN TO 6057' (81 ON THIS TRIP); BAILER QUIT WORKING; TOH WITH THE TBG; 5 STANDS CAME OUT FULL OF SAND; CLEANED OUT THE SAND; CLEANED OUT THE VAVLES AND THE BAILER; TIH W/BAILER AND TBG; LEFT RETRIEVING HEAD HANGING ABOVE ALL PERFS @4577' WITH 146 JTS; CLOSED WELL IN SDON

10/29/2014

GENERAL OPERATONS: WELL HAD 320 PSI; BLEED PRESSURE OFF; TIH W/REMAING 24 STANDS; BAILED SAND FROM 6055' TO TOP OF PLUG @ 6602'; LATCH ON PLUG AND UNSE; TOH W/TUBING AND TOOLS; LD SAND BAILER; LD RBP; CLEANED SAND OUT OF TBG; PU PRODUCTION ASSEMBLY; RIH WITH TBG; TAGGED ON FILL @ 6216' (WELL NOW HAS 74' OF TILL); LD 2 JTS; ND BOP; SET TAC; FLANGED WELL UP (LEFT SN @ 6104'); PU NEW PUMP; PU 140 3/4 RODS; CLOSED WELL IN; SDON

10/30/2014

RUN RODS & PUMP: WELL HAD 360 PSI ON CASING; BLEED PRESSURE OFF; PU REMAING 102 RODS; SET PUMP; SPACED WELL OUT AND HANG IT BACK ON; LOADED TBG WITH 19 BLS; PRESSURE TEST IT @ 500 PSI; HELD GOOD; TURNED ON PJ; GOOD PUMP ACTION; REPLUMBED WELL HEAD; RDMO PU AND RETURNED WELL TO PRODUCTION; FINAL REPORT; WELL TEST WILL FOLLOW IN PRODUCTION EXPLOER

ONSUREZ WELL NO. 2  
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TBG DETAILS

1. 2-7/8 TBG:	144 JTS	
4474.21	4474.21	
2. 2-7/8 X 5-1/2 TAC		
2.70	4476.91	
3. 2-7/8 TBG;	52 JTS	1625.78
6102.69		
4. 2-7/8 SN		
1.10	6103.79	
5. SPIRIT TOOL		
21.90	6125.69	
6. 2-7/8 MUD JT WITH BULL PLUG		
31.50	6157.19	

ROD DETAILS:

1 POLISHED ROD: 1-1/2 X 22' SPRAYED METAL		
22.00		
2 7/8 SUBS:	4'-8'-8'	
20.00	42.00	
3 7/8 RODS	71	1775.00
1817.00		
4 3/4 RODS	171	4275.00
6092.00		
5 PUMP: 2 STAGE HVR 2-1/2 X 1-1/2 X 20' RHBC-5		20
6112.	6	6" STRAINER NIPPLE