District I
1625 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) 848-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone (505) 334-6178 Fax (505) 334-6170
District IV
1220 S St Francis Dr , Santa Fe, NM 87505
Phone (505) 476-3460 Fax (505) 476-3462

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

HOBBS OCD
OCT 21 2011
RECEIVED

Form C-101
Revised August 1, 2011

Permit

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

[1] Operator Name and Address	[2] OGRID Number
CHEVRON U S A INC 15 SMITH ROAD MIDLAND TEXAS 79705	4323
	[3] API Number 30-025-33428

[4] Property Code	[5] Property Name	[6] Well No
30021 / 29923	VACUUM GLORIETA WEST UNIT (WILL BE CHANGED TO CVU #202)	132 / 202

[7] Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
H	6	18-S	35-E		1870	NORTH	890	EAST	LEA

[8] Pool Information

VACUUM GRAYBURG SAN ANDRES	

Additional Well Information

[9] Work Type	[10] Well Type	[11] Cable/Rotary	[12] Lease Type	[13] Ground Level Elevation
RC & chng name	O		S	3994' GR
[14] Multiple	[15] Proposed Depth	[16] Formation	[17] Contractor	[18] Spud Date
NO	8500'	SAN ANDRES		

Depth to Ground water	Distance from nearest fresh water well	Distance to nearest surface water

[19] Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
			NO CHANGE			

Casing/Cement Program: Additional Comments

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
	See Attachments		

I hereby certify that the information given above is true and complete to the best of my knowledge and belief
I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Denise Pinkerton

Printed name DENISE PINKERTON	Title PETROLEUM ENGINEER
Title REGULATORY SPECIALIST	Approved Date: OCT 24 2011 / Expiration Date
E-mail Address leakejd@chevron.com	
Date 10-20-2011 / Phone: 432-687-7375	Conditions of Approval Attached

OIL CONSERVATION DIVISION

Approved By

Permit Expires 2 Years From Approval Date Unless ~~Drilling Underway~~ Plugback

OCT 24 2011

CVU #202 (Previously VGWU #132)

Job: Perf and Acidize (Test San Andres)
API No. 30-025-33428
Lea County, NM

Workover Procedure:

1. MIRU PU.
2. Check tubing and casing pressures & ensure that both are dead. Note that the well should be dead due to a CIBP set @ 5930'. Open bradenhead valves, bleed pressure, & monitor throughout job.
3. Confirm well is dead & ND wellhead. ***If Larkin style head is on well, replace with flange type 3M head.
4. NU 5K hydraulic BOP w/ blind rams in bottom and 2-7/8" pipe rams in top. PU 5 1/2" packer & set @ 30'. Test BOP to 250 low, 750 high psi for 5 minutes. LD test joint and packer.
5. Fill hole & test casing f/ blind rams to CIBP set @ 5930 to 550 psi for 10 minutes. Note any injection rate & pressure response in Wellview and notify remedial engineer as a potential leak isolation & squeeze may be necessary. Ensure that a packer & RBP are on location in the event a leak interval needs to be isolated. Note that a previous perforate & squeeze job was completed @ 1990'. TOC behind 5-1/2" is 2012'.
6. RU WL. Make dummy run w/gauge ring to CIBP @ 5930'.
    a. If gauge ring tags above 5930', PU 2-7/8" 6.5# L-80 work string & make cleanout run to 5930' with 4-3/4" MT bit on 2 7/8" EUE, L-80, 6.5# WS. TOH standing back workstring.
7. Dump bail cement 35' class H neat cement on top of CIBP. POOH w/ WL. (Note that OCD has given approval to NOT spot cement across the DV tool @ 6022'; abandonment of lower zone(s) is sufficient after placing 35' cmt on top of CIBP @ 5930').
8. RU *Baker Hughes* perforating services & lubricator. Get on depth with Baker Hughes CBL dated 8/1/2000. Perforate 5 1/2" casing w/ 2 JSPF at 120 degree phasing, 0.47" AEHD, & 49.3" penetration as follows:

    4999'-5012', 5023'-5031', 5039'-5043', 5052'-5058', 5067'-5075' (78 total holes)

    RDMO wireline unit.

9. TIH w/ 5 1/2" treating pkr on 2-7/8" EUE, L-80, 6.5# workstring. Hydrotest tbg to 6000 psi below slips while RIH. Set pkr @ +/- 4925'. Load casing and test packer to 500 psi.

10. MIRU Acid Unit. Acidize perfs w/ 4,000 gallons 15% NEFE HCL. Divert using 120, 1.2 SG, 7/8" bio-ball sealers spread evenly throughout the job. Pump acid at 8-10 BPM. Max Pressure = 5800 psi. Displace with FW to bottom perf.

11. Shut-in for 1 hour to allow acid to spend.

12. Attempt to flow back load.

    a. If well is dead and will not flow, release packer and run past all perfs to wipe any excess balls off seat. Reset packer @ 4850'. Swab back load + 100 bbls. Record stabilized fluid level, fluid entry rate, monitor returns for traces of oil and notify Production Engineer.

13. Release packer. TOH & lay down workstring and packer.

14. *Contact Production Engineer (Acero – 432-230-0704) prior to RIH with production tubing to confirm if flow/swab back results are successful.*

15. RIH w/ *new* bare 2 7/8" J-55 EUE, 6.5# production equipment (Reference the attached tubing assembly).

16. ND BOP.

17. NU wellhead.

18. RIH w/ pump and rods (Reference the attached pump and rod details).

19. RDMO PU.

20. Turn well over to production.

Contacts:

Nathaniel Brummert – Remedial Engineer (713-409-6170)
Danny Acosta – ALCR (Cell: 575-631-9033)
Edgar Acero – Production Engineer (432-687-7343 / Cell: 432-230-0704)
Drilling Supt. - Heath Lynch – (432-687-7402 / Cell: 432-238-3667)
OS – Nick M. – 432 631 0646
Baker Perforating: Doug Lunsford – 432 559 0396

Vacuum Glorieta West Unit # 132

Created:	06/23/10	By:	Chay	Well #:	132	Fd./St. #:	B-1306
Updated:		By:		API	30-025-33428		
Lease:	Vacuum Glorieta West Unit			Surface	Tshp/Rng:	T18S & R35E	
Field:	Vacuum Glorieta			Unit Ltr.:	H	Section:	6
Surf. Loc.:	1870" FNL & 890' FEL			Bottom hole	Tshp/Rng:		
Wellbore No.	429043			Unit Ltr.:		Section:	
County:	LEA	St.:	NM	Cost Code:	UCT492400		
Status:	**TA'd since 8/17/2000**			Chevno:	BK6585		

Previous well name: New Mexico 'R' State NCT-1 #18

KB:
DF:
GL: 3974'
Ini. Spud: 07/10/96
Ini. Comp.: 10/17/96
PLC-128 - 10-24-96

Surface Casing

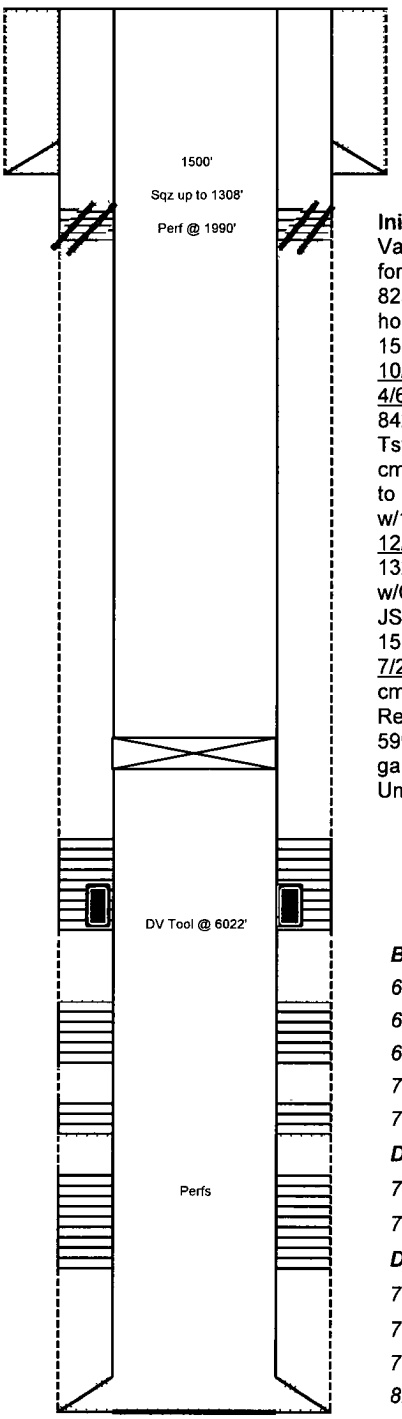
Size:	8-5/8" WC-50
Wt., Grd.:	24#
Depth:	1500'
Sxs Cmt:	650 sxs
Circulate:	Yes, circ 139 sx
TOC:	Surf
Hole Size:	11"

Production Casing

Size:	5-1/2" WC-75 & WC-50
Wt., Grd.:	17#
Depth:	8500'
Sxs Cmt:	3500 sxs
Circulate:	No
TOC:	2012'
Hole Size:	7-7/8"
DV Tool:	6022'

CIBP @ 5930'

Glorieta Perfs:
5982'-90'
5998'-6010'
6018'-28'



History

Initial completion. Rec'd OCD DHC-1388 for the Vac. Blinebry pool # 61850 & Vac Drk, pool # 62110, formations Perfs: 7660'-7824' Drk, 184 holes. 7850'-8254' Drk, 164 holes, 6643'-7348', Blinebry, 189 holes. Acdz w/ total 34,000 gals 20% NE & 3000 gals 15% NE Frac w/32 000 gals Hcl & 46,000 gals gel 10/6/97 Set CIBP @ 6600', TA'd. 4/6/98 Tag CIBP @ 6610'- turned loose & push to 8427', Tag PBTD @ 8450' TIH & set CIBP @ 7410' Tst tbg & csg, OK. Set CICR @ 6600' Pmp 400 sxs cmt, rev out 98 sxs to pit. Drl ret & cmt, & push CIBP to PBTD @ 8429' RIH w/tbg Acdz f/7660'-8094' w/11,400 gals 20% NE. Tst: 47 oil, 191 wtr, 60 mcf 12/4/98 Recomp in Glorieta. Renamed to VGWU # 132. Set CIBP @ 7600', acdz & cap w/35' cmt. TIH w/CIBP & set @ 6590' New PBTD @ 6555' Perf w/2 JSPF @ 120 deg ph, 6268'-6283' Acdz w/1500 gals 15% NE & ball sealers. Tst: 0 oil, 400 wtr, 0 mcf 7/25/00 Perf @ 1990', Set cmt ret @ 1847' w/400 sxs cmt DO Ret. Set Ret @ 1450' w/345 sxs cmt. DO Ret Spot sqz f/1610'-1308' DO. Perf 5982'-90', 5998'-6010, 6018'-28'. Acdz Glorieta perfs w/6000 gals 15% NE Set CIBP @ 5930', above perfs. Unsuccessful W/O Pull Tbg, TA'd well.

Geology - Tops	
Yates	2863'
Seven Rivers	3183'
Queen	3762'
San Andres	4409'
Blinebry	6337'
Drinkard	7740'

Blinebry Perfs: *1 JSPF 189 holes*
6648'-56', 6660'-68', 6684'-87', 6694'-6710'
6712'-18', 6746'-6800', 6900'-10', 6948'-50'
6982'-98', 7030'-32', 7038'-44', 7046'-56'
7100'-02', 7164'-84', 7196'-7200', 7226'-40'
7250'-56', 7270'-74', 7312'-14', 7342'-48'

Drinkard Perfs *2 JSPF 184 holes*
7660'-64'; 7678'-84'
7692'-94'; 7700'-08' 164 Holes

Drinkard Perfs *2 JSPF 164 holes*
7720'-26'; 7750'-70'; 7778'-7824'
7850-54', 7866'-68', 7876'-7910'
7930'-32'; 7992'-8000', 8050'-54', 8090'-94'
8214'-22'; 8232'-36', 8242'-54'

PBTD: 8450'

TD: 8500'