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
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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 30-025-31807

[4] Property Code	[5] Property Name	[6] Well No
30021/29923	VACUUM GLORIETA WEST UNIT (WILL BE CHANGED TO CVU #212)	20 212

[7] Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
H	25	17-S	34-E		1541	NORTH	181	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	6352'	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

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

HOBBS OCD
OCT 21 2011

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

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

RECEIVED

[1] API Number	[2] Pool Code	[3] Pool Name
30-025-31807	62180	VACUUM; GRAYBURG, SAN ANDRES

[4] Property Code	[5] Property Name	[6] Well Number
	VACUUM GLORIETA WEST UNIT (will be changed to Central Vacuum Unit #212)	20

[7] OGRID No.	[8] Operator Name	[9] Elevation
4323	CHEVRON U.S.A. INC.	

[10] Surface Location

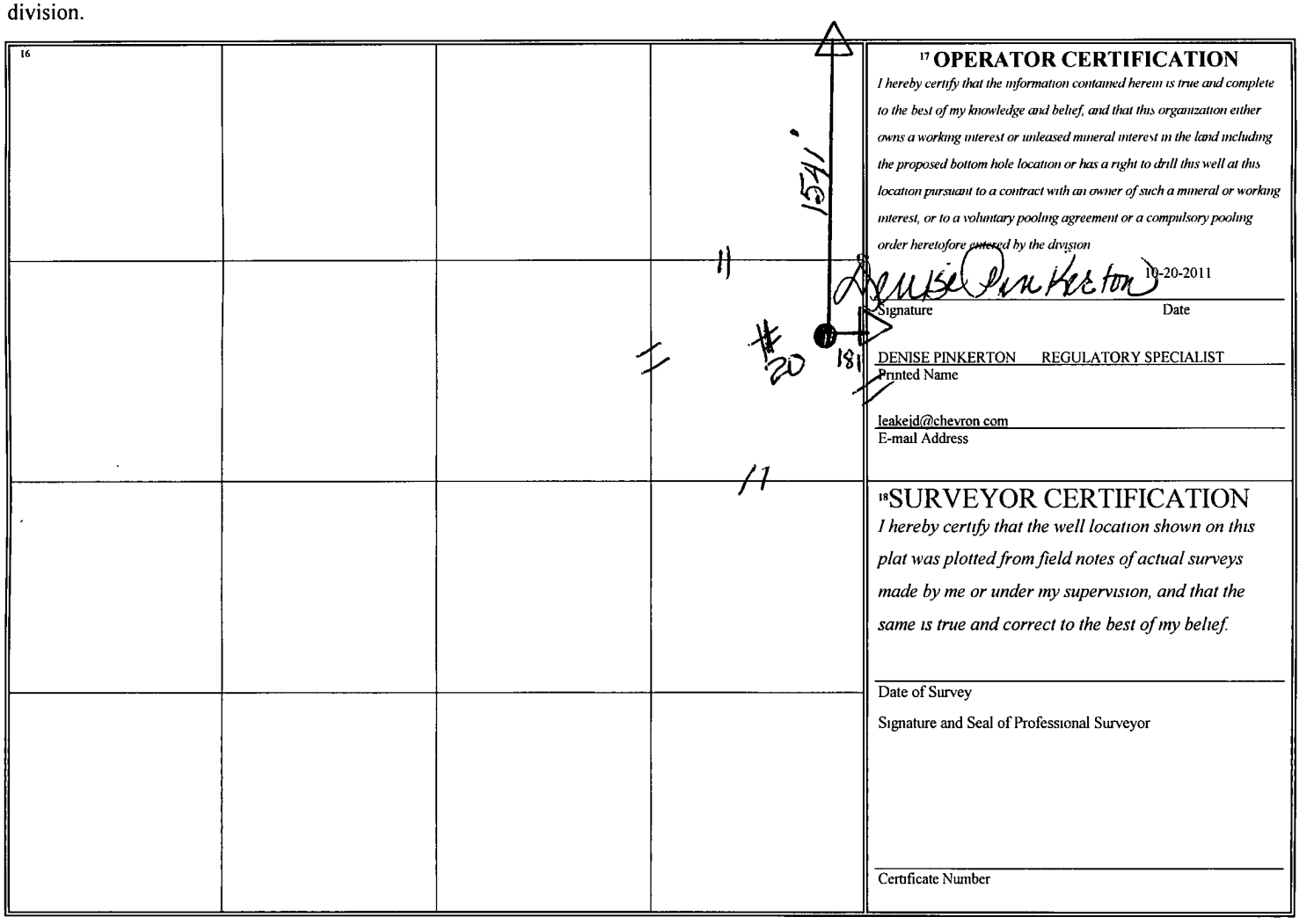
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	25	17-S	34-E		1541	NORTH	181	EAST	LEA

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
40			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



[17] OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division

Denise Pinkerton 10-20-2011
Signature Date

DENISE PINKERTON REGULATORY SPECIALIST
Printed Name

leakejd@chevron com
E-mail Address

[18] 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

Certificate Number

CVU #212 (Formerly VGWU #20)

Job: Perf and Acidize (Test San Andres)
API No. 30-025-31807
Lea County, NM

Workover Procedure:

***Note: If well has Larkin style head, change out to a 3M flange type head.

1. MIRU PU. Note that current WBD shows no tubing in hole.
2. Check casing pressure. Kill well as necessary (Note that the well should be dead due to a CIBP set @ 5950'). Open bradenhead valves, bleed pressure, & monitor throughout job.
3. ND wellhead.
4. NU 5K hydraulic BOP w/ blind rams in bottom and 2 7/8" pipe rams in top + stripper head. PU 5 1/2" packer & set @ 30'. Load hole & test pipe rams to 250 low, 500 high psi for 5 minutes. LD test joint and packer.
5. Fill hole & test casing f/ blind rams to CIBP set @ 5950' 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. Note a DV tool is at 5021' and is a possible source for a leak.
6. RU WL. Make dummy run w/gauge ring to 35' of cement on top of CIBP @ +/-5915'. Note tag depth in wellview.
    a. If gauge ring tags above 5000', PU 2-7/8" 6.5# L-80 work string & make cleanout run to 5000' on 2 7/8" EUE, L-80, 6.5# WS. TOH standing back workstring.
7. RU *Baker Hughes* perforating services & lubricator. Tie into Halliburton's Spectral Density-DSN log dated 1/5/1993, run a GR-CCL from 4700' to 2700'. Perforate 5 1/2" casing w/ 2 JSPF at 120 degree phasing, 0.47" EHD, & 49" penetration as follows:

    4518-24', 4530-36', 4550-58', 4597-4607' (60 total holes)

    RDMO wireline unit.
8. TIH with 5 1/2" treating pkr on 2-7/8" EUE, L-80, 6.5# workstring. Test tbg to 6000 psi below slips while RIH. Set pkr @ +/- 4445'. Load casing and test packer to 500 psi.

9. MIRU Acid Unit. Acidize perfs w/ 3,000 gallons 15% NEFE HCL. Divert using 90, 1.2 SG, 7/8" *bio*-ball sealers spread evenly throughout the job. Pump acid at 8-10 BPM. Max Pressure = 6800 psi. Displace with FW to bottom perf.

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

11. Attempt to flow back load – surge well if possible to knock ball diverters off seat.

12. If well is dead and will not flow, release packer and run past all perfs to wipe any excess balls off seat. Reset packer @ 4445'. Swab back load + 50 bbls. Record stabilized fluid level, fluid entry rate, monitor returns for traces of oil and notify Production Engineer. Contact Production Engineer (Acero) prior to RIH with production tubing to confirm if flow/swab back results are successful.

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

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

15. ND BOP.

16. NU wellhead.

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

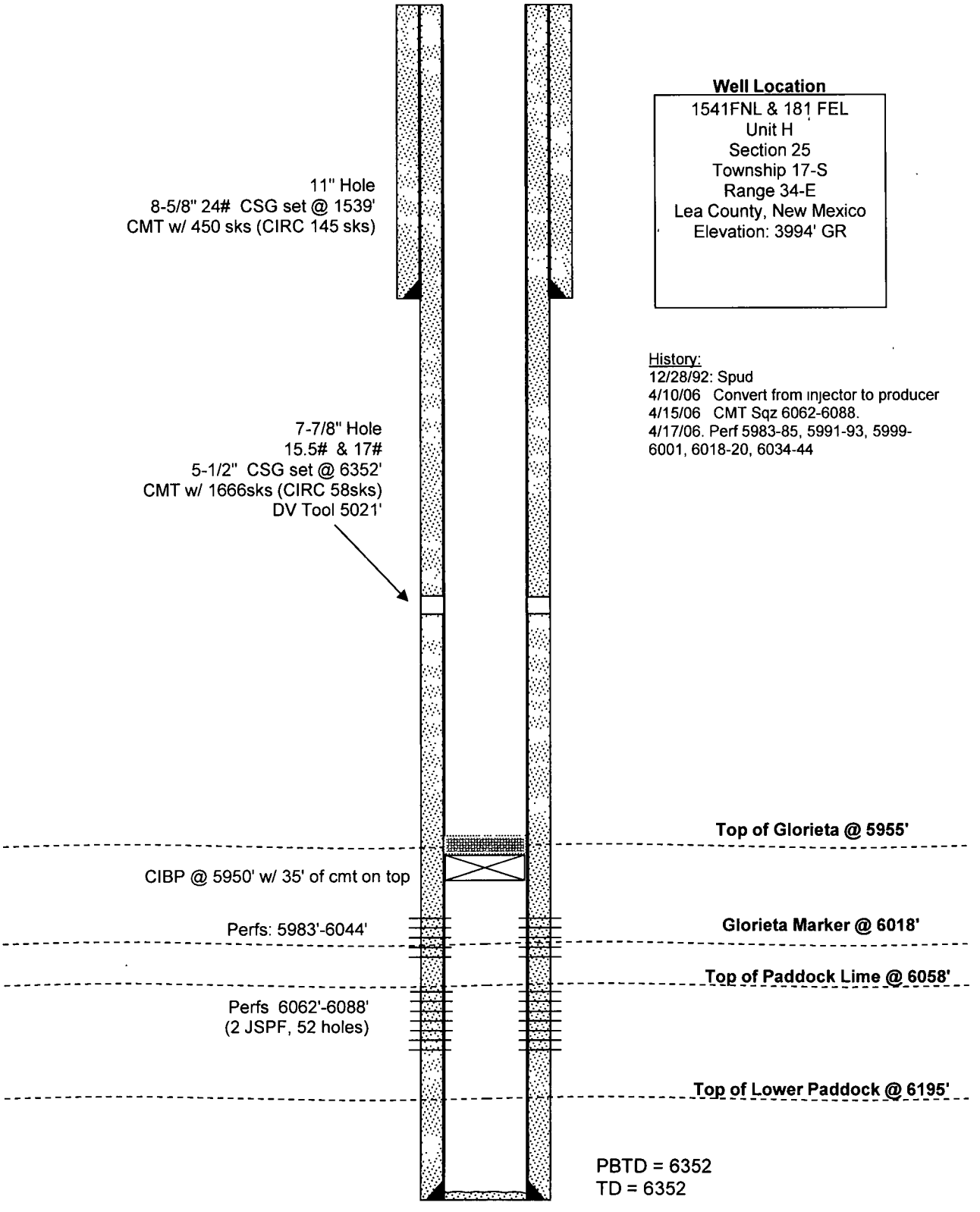
18. RDMO PU.

19. 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

VGWU 20
API No. 30-025-31807



Well Location

1541FNL & 181 FEL
Unit H
Section 25
Township 17-S
Range 34-E
Lea County, New Mexico
Elevation: 3994' GR

History:
12/28/92: Spud
4/10/06 Convert from injector to producer
4/15/06 CMT Sqz 6062-6088.
4/17/06. Perf 5983-85, 5991-93, 5999-6001, 6018-20, 6034-44