

District I
1625 N French Dr , Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S St Francis Dr , Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
June 16, 2008

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

HOBBS OGD

JUL 08 2011

Submit to appropriate District Office

☐ AMENDED REPORT

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

RECEIVED

¹ Operator Name and Address CHEVRON U.S.A. INC 15 SMITH ROAD MIDLAND, TEXAS 79705		² OGRID Number 4323
		³ API Number 30 - 025-20249
³ Property Code 22923	⁵ Property Name CENTRAL VACUUM UNIT	⁶ Well No. 338
⁹ Proposed Pool 1 VACUUM GRAYBURG SAN ANDRES		¹⁰ Proposed Pool 2

⁷ Surface Location

UL or lot no N	Section 25	Township 17-S	Range 34-E	Lot Idn	Feet from the 990'	North/South line SOUTH	Feet from the 1650'	East/West line WEST	County LEA
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⁸ Proposed 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
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Additional Well Information

¹¹ Work Type Code PLUGBACK	¹² Well Type Code O	¹³ Cable/Rotary	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation
¹⁶ Multiple NO	¹⁷ Proposed Depth 6800'	¹⁸ Formation SAN ANDRES	¹⁹ Contractor	²⁰ Spud Date

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
NO CHANGE					

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

CHEVRON U S A INC INTENDS TO RECOMPLETE THE SUBJECT WELL INTO THE VACUUM GRAYBURG SAN ANDRES FORMATION

PLEASE FIND ATTACHED, THE INTENDED PROCEDURE, WELLBORE DIAGRAM, C-102 PLAT, & C-144 PIT INFORMATION

Permit Expires 2 Years From Approved
Date Unless Drilling Underway
Plugback

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief

Signature

Denise Pinkerton

Printed name

DENISE PINKERTON

Title

REGULATORY SPECIALIST

E-mail Address:

leakejd@chevron.com

Date.

07-07-2011

Phone.

432-687-7375

OIL CONSERVATION DIVISION

Approved by.

[Signature]

Title

PETROLEUM ENGINEER

Approval Date

JUL 11 2011

Expiration Date.

Conditions of Approval Attached ☐

CVU #338

Job: Perf and Acidize

API No. 30-025-20249

Lea County, NM

Workover Procedure:

1. MIRU PU. Kill well.
2. ND wellhead. NU 5K hydraulic BOP w/ blind rams in bottom and 2 7/8" pipe rams in top + stripper head. Test BOP 250/500 psi.
3. RU WL. Make dummy run w/gauge ring to CIBP @ 5705'. If gauge ring tags above 5705', make cleanout run to 5705' w/ 4 3/4" bit on 2 7/8" EUE, L-80, 6.5# WS. POOH. Dump bail cement 35' on top of CIBP.
4. RU Gray Wireline perforating services, RU lubricator. RIH and perforate the following interval with 2 JSPF, 120 degree phasing (Correlate depth to Welex's Acoustic Velocity Log dated 10/20/63):
4722'-4745', 4764'-4769', 4783'-4789', 4810'-4825' (98 total holes)
5. TIH w/ 5 1/2" treating pkr on 2-7/8" EUE, L-80, 6.5# workstring. Test tbg to 5000# below slips while RIH. Set pkr @ 4650'. Load casing and test to 500 psi.
6. MIRU Acid Unit. Acidize perms w/ 5,000 gallons 15% NEFE HCL. Divert using 150, 1.2 SG, 7/8" ball sealers and spread evenly throughout the job. Pump acid at 6 BPM. Max Pressure = 4000 psi. Displace tbg volume with fresh water to packer. Shut-in for one hour.
7. Flow or swab back load.
8. Record stabilized fluid level, fluid entry rate, monitor returns for traces of oil and notify Engineer.
9. Release packer. TIH and wipe balls off seat. TOH w/ workstring and packer. L/D.
10. RIH w/ test ESP on new bare 2 7/8" J-55 EUE, 6.5# production tubing and set ESP above top perf per ALCR.
11. ND BOP. NU wellhead
12. RDMO PU.
13. Turn well over to production.

Contacts:

Nathaniel Brummert – Remedial Engineer (713-409-6170)

Carlos Valenzuela – ALCR (Cell: 575-390-9615)

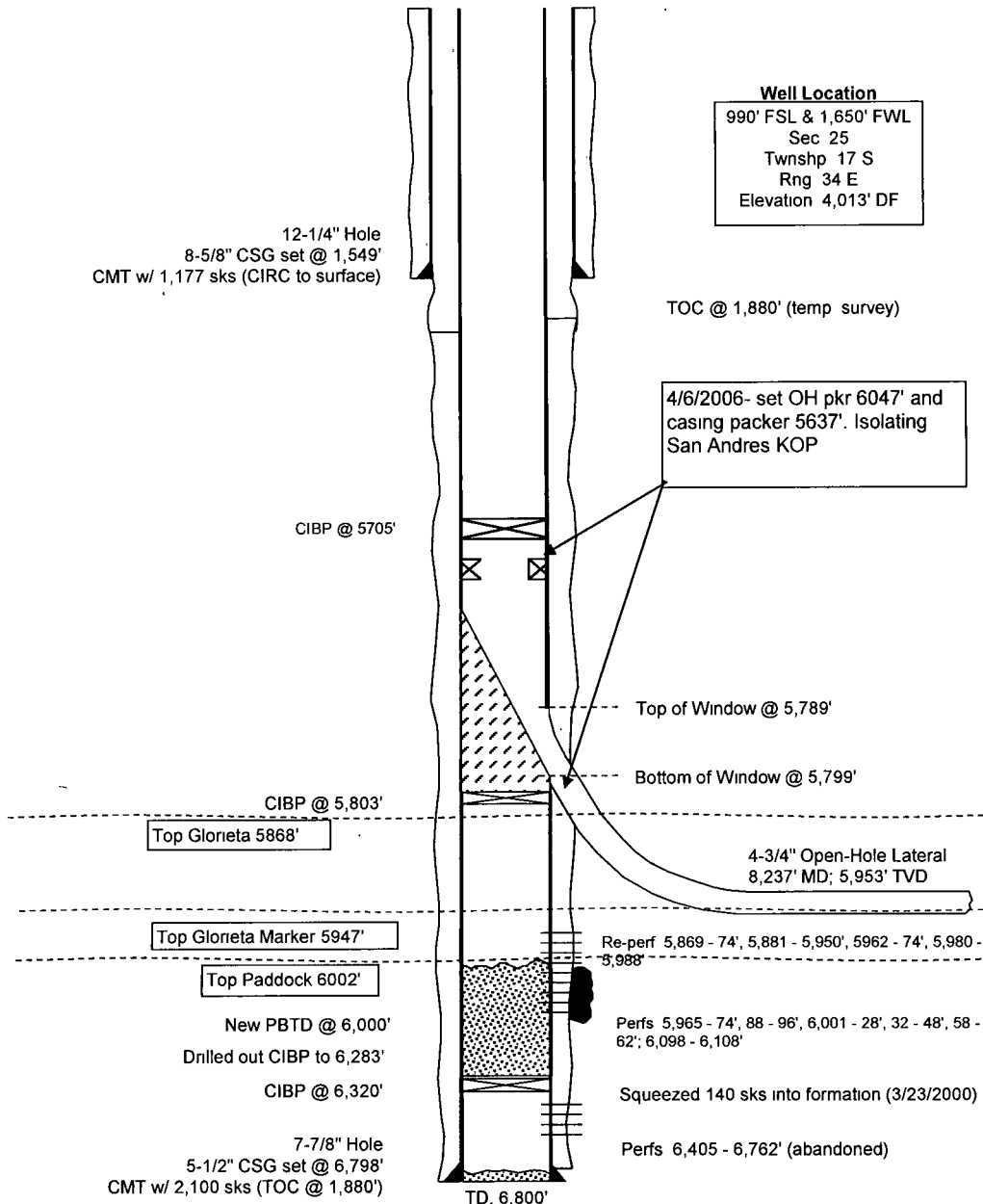
Edgar Acero – Production Engineer (432-687-7343 / Cell: 432-230-0704)

Boyd Schaneman – (432-687-7402 / Cell: 432-238-3667)

Sam Prieto - Peak Packers – (575-631-7704)

CVU 338 (Previously VGWU #46H)

API No. 30-025-20249



9/63- Marathon spud well
 11/94- Gray wireline prod profile-
major wtr entry 6018'-6025'
 3/00- Encounter water flow 60 BPH while CO from 5845'-6283' Circ 10# brine. Set Pkr 5840', 2 bpm 300# flow 50 BPH Set cmt retainer 5840' Pumped 100 sxs w/ additives + 100 sx neat C DO to 6000' Perf 5869-5988, ac 7 M gals, swab dry 6bo, 17 bw, 5 mcfpd
 3/03- horizontal completed well Ac lateral 25 M gals
 1/04- TA'd well w/ CIBP 5715'

5/3/05-DO CIBP @5715' Dressed off window w/ bit TIH w/ pkr assembly to isolated SA KOP OH pkr 5895', top pkr 5709'. Swab-High FL 5/10/05- Pulled isolation pkrs Milled window to clean up 5/11/05-TIH w/ isolation pkr setup. Swab down in 7 runs, end FL 5000' Have wtr isolated. Released from on/off tool TIH w/ tbg Swab- FL 5000', recovered 2 bw. Still have wtr isolated.
 5/17/05-TIH w/ 1 5" CT and acid OH w/ 35M gals, 1.35 BPM
 5/23/05- release from on/off tool Ran test sub 200-600 BPD range
 6/17/05- Isolation pkr failed Pull pkr assembly Ran XY caliper, spinner, Temp, Press log 5300'-6500'
 6/27/05-TIH w/ isolation pkr assembly- OH pkr 6012', csg pkr 5638' Swab 9 runs, FL 5300' Have water isolated.
 8/1/05- Ran 1 5" CT and ac lateral w/ 10 M gals + 20 Mgals fresh wtr (This acid job was done because the isolation pkr was thought to have failed during the CT ac job on 5/17/05 and the ac went into the SA KOP Also, the FL and fluid entry after the isolation pkr was reset and holding on 6/27/05 showed limited fluid entry)
 Waiting for Prod to run rod and install pump
 10/15/05- Got on rod pump Test 1bo, 260bw, high FL
 10/18/05- 6 bo, 262 bw, 1 mcfpd FL 3012'
 10/24/05- 0 bo, 265 bw, FL 3234'
 4/3/2006- Pulled and replaced isolation packer setup OH pkr 6047', csg pkr 5637', 1.87" profile, swab down to SN
 8/4/06- CIBP @ 5705'.