

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, 2001

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

Submit to appropriate District Office

☐ AMENDED REPORT

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

¹ Operator Name and Address CHEVRON U.S.A. INC. 15 SMITH ROAD MIDLAND, TEXAS 79705		² OGRID Number 4323
		³ API Number 30 - 025-02107
³ Property Code 29923	⁵ Property Name CENTRAL VACUUM UNIT	⁶ Well No. 38
⁹ Proposed Pool 1 VACUUM GRAYBURG SAN ANDRES		¹⁰ Proposed Pool 2

Surface Location

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	25	17-S	34-E		660	SOUTH	1980	WEST	LEA

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

Additional Well Information

¹¹ Work Type Code DRILL DEEPER	¹² Well Type Code O	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3998' GL
¹⁶ Multiple NO	¹⁷ Proposed Depth 4820'	¹⁸ Formation SAN ANDRES	¹⁹ Contractor	²⁰ Spud Date

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 DEEPEN THE SUBJECT WELL IN THE SAN ANDRES TRANSITION ZONE TO 4820' AND ACIDIZE TO INCREASE PRODUCTION. PLANS ARE TO SET A WHIPSTOCK & SIDETRACK IN ORDER TO GET OUT OF THE EXISTING WELLBORE WHICH WAS LOST DUE TO A STUCK SUB-PUMP, THEN RE-DRILL A VERTICAL WELL TO THE DEEPER TD OF 4820', AND COMPLETE THE NEWLY DRILLED SECTION OPEN HOLE.

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

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

Signature:

Printed name:
DENISE PINKERTON

Title:
REGULATORY SPECIALIST

E-mail Address:
lpinkert@chevron.com

Date:
03-02-2010

Phone:
432-687-7375

OIL CONSERVATION DIVISION

Approved by

Title:
PETROLEUM ENGINEER

Approval Date
MAR 12 2010

Expiration Date

Conditions of Approval Attached ☐

CVU #38

Job: Sidetrack

API No. 30-025-02107

Central Vacuum Unit Field

Lea County, NM

Workover Procedure:

1. MIRU PU. Kill well.
2. ND wellhead. NU BOP.
4. TIH w/ 4-½" cement retainer on 2-3/8" workstring. Set cement retainer @ 4,355'.
5. TOH w/ workstring.
6. TIH w/ Smith Trackmaster whipstock bottomhole assembly.
7. Set whipstock above cement retainer located @ 4,355'. Orient whipstock due south.
8. Mill out 4-1/2" casing window.
9. Circulate hole clean.
10. POOH with mill.
11. RIH w/ 3-7/8" button bit and drill collars on 2-3/8" drill pipe. (American Open Hole)
12. Drill to 4,820'. Borehole to run parallel to original vertical hole. Use 9.2 to 9.4#/gal cut w/ EZ mud sweeps.
13. Circulate hole clean. TOH.
15. TIH w/ 4-1/2" Arrow Set pkr on 2-3/8" workstring. Run three 2-3/8" jts below pkr with a muleshoe to serve as a guide for the CT.
16. Set pkr @ 4,270'.
17. MIRU CT Unit.
18. RIH w/ 1-¼" CT.
19. Acidize w/ 11,000 gallons 15% NEFE HCL as per Halliburton's recommendation as follows.

Volume (gallons)	Interval
7000	4820' – 4645'
4000	4640' – 4363'

20. POOH w/ 1-¼" CT.
21. RDMO CT Unit.
22. TOH w/ 4-1/2" Arrow Set pkr and 2-3/8" workstring.
23. RIH w/ ESP on 2-3/8" J55 tbg per ALCR. Set pump @ 4,325'.
24. ND BOP. NU wellhead
25. RDMO PU.
26. RTP.
27. Report production tests.

**CURRENT
WELLBORE DIAGRAM**

Created: 11/19/2002 By: SMG
 Updated: 1/15/2010 By: PTB
 Lease: Central Vacuum Unit
 Surface Location: 660' FSL & 1980' FWL
 Bottomhole Location: None
 County: Lea St: NM
 Current Status: Active Oil Well
 Directions to Wellsite: Buckeye, New Mexico

Well No.: 38
 Unit Ltr: N
 Unit Ltr: N
 St Lease: B-2076
 Elevation: 3998' GL
 Field: Vacuum Grayburg
 Sec: 25 TSHP/Range: 17S-34E
 Sec: TSHP/Range:
 API: 30-025-02107
 Cost Center: TEPI. BCT493000
 MVP BCT494500

Surface Csg.

Size: 10 3/4"
 Wt.: 21#, LW
 Set @: 560'
 Sxs cmt: 250
 Circ: Yes
 TOC: Surface
 Hole Size: 12 1/4"

Production Csg.

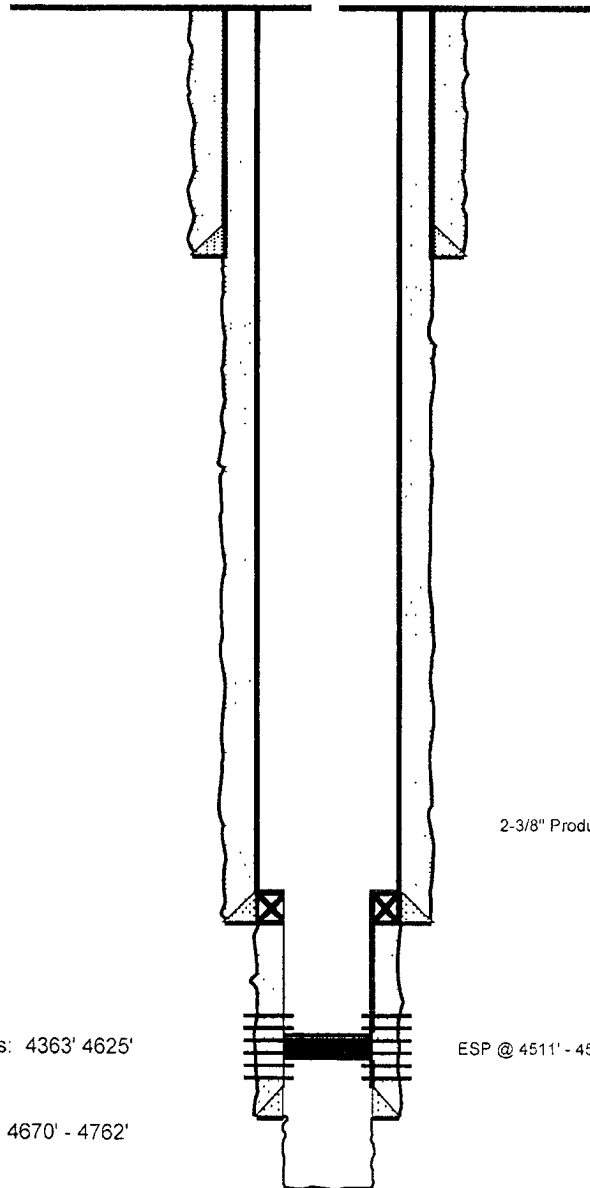
Size: 7"
 Wt.: 24#, smls
 Set @: 4097'
 Sxs cmt: 700
 Circ:
 TOC: 400'
 Hole Size: 8 3/4"

Liner:

Size: 4 1/2"
 Wt.: 9 5#, J-55
 Top of Liner: 3904'
 Bottom of Liner/Set @: 4670'
 Set w/ 100 sxs cmt
 Hole Size: 6 1/8"

Open Hole

Hole Size: 6 1/8"
 Depth: 4670'-4762'



KB 3997 5
 DF 4013'
 GL 3998'

Original Spud Date 5/31/1938
 Original Compl. Date 7/9/1938

Well History:

9/1959 - 4-1/2" liner, perf, AC 1000 gals
 frac 10M gal oil + 20M sand
 5/1979 - AC 3M + RS, Perf (2 SPF). 4363,67,
 76,80,86,94,99,4406,10,36,61,4642,46,55,65'
 AC 1M gals, frac 20M gel water
 427M sand 4406-4665', 4363-4465, AC 2M,
 frac 30M gel water + 34M sand
 8/1985 - am bicarb, Perf (2 SPF) 4566,81,98,46
 AC 4642-65' OH w/12M gals
 AC 4566-4665' w/6400 gals 15%
 AC 4363-4461' w/5000 gals 15%
 7/1996 - CO 4705', AC 4M gals, ScSq, 44° 1473
 1/2000 - CO to 4712' mill on junk
 DO to 4762', Perf 4373-4415', AC 4363-4625 &
 w/112M gals, ScSq
 44° 2096" 38°

2-3/8" Production Tubing

Perfs: 4363' 4625'

OH 4670' - 4762'

12/09 - 2/10 - attempt to fish stuck subpump (un
 left motor, intake and gas separator in f
 ESP @ 4511' - 4576'

TD:4762'

Remarks:

**PROPOSED
WELLBORE DIAGRAM**

Created:	11/19/2002	By: SMG	Well No.:	38	Field:	Vacuum Grayburg
Updated:	2/25/2010	By: SMI	Unit Ltr:	N	Sec:	25 TSHP/Range: 17S-34E
Lease:	Central Vacuum Unit		Unit Ltr:		Sec:	TSHP/Range:
Surface Location:	660' FSL & 1980' FWL		St Lease:	B-2076	API:	30-025-02107 Cost Center:
Bottomhole Location:	None		Elevation:	3998' GL		
County:	Lea	St: NM				
Current Status:	Active Oil Well					
Directions to Wellsite:	Buckeye, New Mexico					

Surface Csg.

Size: 10 3/4"
Wt.: 21#, LW
Set @: 560'
Sxs cmt: 250
Circ: Yes
TOC: Surface
Hole Size: 12 1/4"

Production Csg.

Size: 7"
Wt.: 24#, smls
Set @: 4097'
Sxs cmt: 700
Circ:
TOC: 400'
Hole Size: 8 3/4"

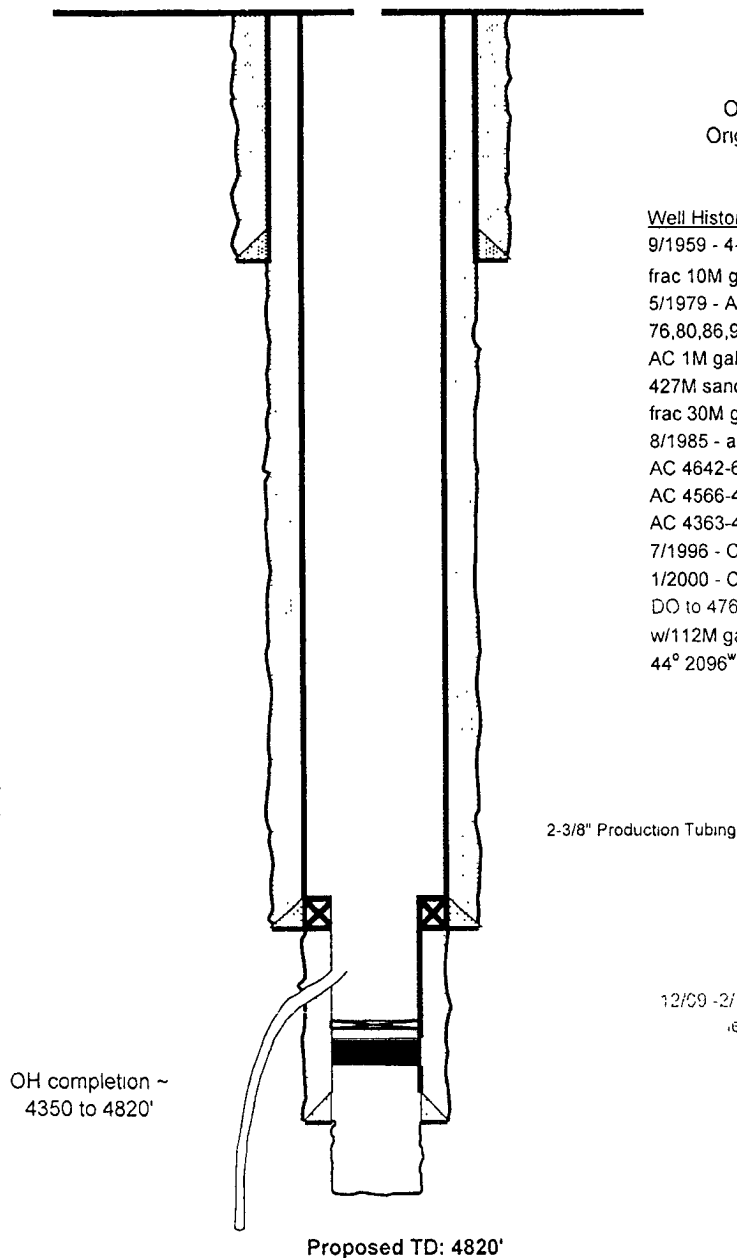
Liner:

Size: 4 1/2"
Wt.: 9.5#, J-55
Top of Liner: 3904'
Bottom of Liner/Set @: 4670'
Set w/ 100 sxs cmt
Hole Size: 6 1/8"

KB 3997.5
DF: 4013'
GL: 3998'
Original Spud Date: 5/31/1938
Original Compl. Date: 7/9/1938

Well History:

9/1959 - 4-1/2" liner, perf, AC 1000 gals
frac 10M gal oil + 20M sand
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76,80,86,94,99,4406,10,36,61,4642,46,55,65'
AC 1M gals, frac 20M gel water
427M sand 4406-4665', 4363-4465, AC 2M,
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1/2000 - CO to 4712' mill on junk
DO to 4762', Perf 4373-4415', AC 4363-4625 &
w/112M gals, ScSq
44° 2096" 38°



Remarks:

16					17 OPERATOR CERTIFICATION <i>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.</i> Signature <u>Denise Pinkerton</u> Date <u>03-02-2010</u> DENISE PINKERTON REGULATORY SPECIALIST Printed Name
					18 SURVEYOR CERTIFICATION <i>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</i> Date of Survey _____ Signature and Seal of Professional Surveyor _____ Certificate Number _____