

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
N.M. Oil Cons. Divisi  
1625 N. French Dr.  
Hobbs, NM 88240

FORM APPROVED  
Budget Bureau No. 1004-0136  
Expires: December 31, 1991

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

6. If Indian, Alottee or Tribe Name

1a. Type of Work DRILL  DEEPEN

7. If Unit or CA. Agreement Designation

1b. Type of Well

SINGLE ZONE

8. Well Name and Number

OIL WELL  GAS WELL  OTHER

MULTIPLE ZONE

EUNICE MONUMENT SOUTH UNIT

284

2. Name of Operator CHEVRON USA INC

9. API Well No

3. Address and Telephone No. 15 SMITH ROAD, MIDLAND, TX 79705

915-687-737

30-025-04561

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)

10. Field and Pool, Exploratory Area

At Surface

EUNICE MONUMENT GRAYBURG S/A

Unit Letter C : 660' Feet From The NORTH Line and 1980' Feet From The WEST Line

11. SEC., T., R., M., or BLK. and Survey or Area

At proposed prod. zone

SAME

Sec. 8, Township 21-S, Range 36-E

14. Distance In Miles and Direction from Nearest Town or Post Office\*

12. County or Parish 13. State

LEA

NM

15. Distance From Proposed\* Location to Nearest Property or Lease Line. Ft. (also to nearest drlg. unit line, if any)

16. No. of Acres in Lease

17. No. of Acres Assigned To This Well

18. Distance From Proposed Location\* to Nearest Well, Drilling, Completed or Applied For. On This Lease. Ft.

19. Proposed Depth

20. Rotary or Cable Tools

4050'

ROTARY

21. Elevations (Show whether DF RT, GR, etc.)

3574' GL

22. Approx. Date Work Will Start\*

3/1/2003

23 PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	GRADE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
NO CHANGE					

CHEVRON U.S.A. INTENDS TO DEEPEN, UNDER REAM, AND ACIDIZE THE SUBJECT PRODUCING WELL. THE INTENDED PROCEDURE AND WELL BORE DIAGRAM IS ATTACHED FOR YOUR APPROVAL.

APPROVED  
FEB 26 2003  
*[Signature]*

In Above Space Describe Proposed Program: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured true verticle depths. Give blowout preventer program, if any.

24 I hereby certify that the foregoing is true and correct

SIGNATURE *Denise Leake* TITLE Regulatory Specialist DATE 2/17/2003

TYPE OR PRINT NAME Denise Leake

(This space for Federal or State office use)

PERMIT NO. ORIGINAL SIGNED BY APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

APPROVED PAUL E. KAUFZ  
PETROLEUM ENGINEER  
CONDITIONS OF APPROVAL, IF ANY: TITLE

DATE FEB 26 2003

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*[Handwritten mark]*

EMSU #284

11/04/2002

660' FNL & 1980' FWL, 8-21S-36E

Lea County, New Mexico

30-025-04561

FA5702

### Deepen, under ream, and acidize producing well

1. Verify anchors have been set & tested. Test flowline as per below procedure.
2. Rig up pulling unit. ND wellhead. NU BOP.
3. TOH with rods and pump. Visually inspect for scale, paraffin, and wear. Scanalog production tubing out of hole.
4. TIH with 4-1/2" casing scraper on 2-7/8" workstring. Make scraper run to the casing shoe at 3890'. TOH with scraper.
5. Rig up Weatherford reverse unit. TIH with 3-3/4" bit with 6 3-1/8" drill collars on 2-7/8" workstring. Clean well out to TD at 3984. Drill new formation to 4050'. TOH with bit and collars.
6. TIH with 3-5/8" X 6" under-reamer with 6 3-1/8" drill collars on 2-7/8" workstring. Under-ream Grayburg 3-3/4" open hole section to 6" from 3890' - 4050' (160' total), changing reamers as required. Rig down Weatherford.
7. TIH with 4-1/2" treating packer on 2-7/8" workstring. Run packer at 3750'. Rig up DS. Pickle tubing with 200 gals 15% HCL. Circ clean and set packer. Acidize perms and open hole with 5000 gals 15% 50% foamed acid in three stages with 2% KCL water between stages as per DS procedure. Swab back load monitor fluid level, rate, and cut. Trip out with packer.
8. TIH with production tubing with tubing anchor. Set tubing anchor at +/- 3740'. Set seating nipple below casing shoe, in open hole, at 4000'. Run pump and rods.
9. ND BOP. NU wellhead. Return well to production. Rig down pulling unit.

Displace flowline with fresh water. Have field specialist close valve at header. Pressure line according to the type of line. AGU, EMSU, and EMSUB buried fiberglass lines will be tested with 300 PSI. All polypipe (SDR7 and SDR11) will be tested w/100 PSI. All steel lines will be tested w/500 PSI. If a leak is found, contact Larry Williams for repair/replacement. If test is good, bleed off pressure and **open valve** at header. Document this process in the morning report.

Kevin Hickey 915-687-7260



# WELL DATA SHEET

LEASE: EMSU WELL: 284  
 LOC: 660' F N L & 1980' F W L SEC: 8  
 TOWNSHIP: 21S CNTY: Lea  
 RANGE: 36E UNIT: C ST: N.M.

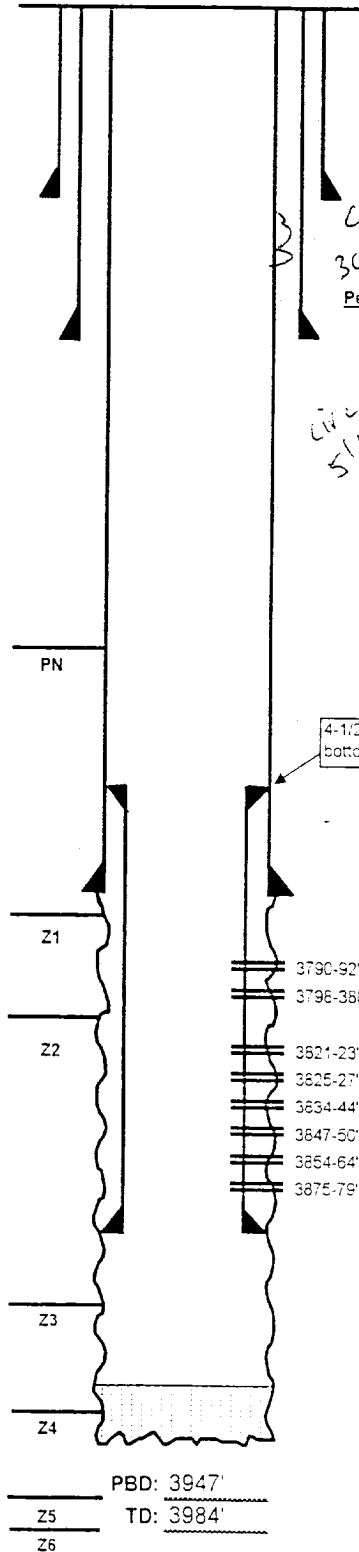
FORM: Grayburg / San Andres DATE: \_\_\_\_\_  
 GL: 3574' STATUS: Producer  
 KB: 3584' API NO: 30-025-04561  
 DF: \_\_\_\_\_ CHEVNO: FA 5702.01

Date Completed: #####  
 Initial Production: 1/3/20 BOPD 0 BWPD GOR 600  
 Initial Formation: Grayburg  
 FROM: 3747' to 3817'

10" OD  
 45 # CSG  
 Set @ 105' W/ 74 SX  
 Cmt circ.? Yes  
 TOC @ surf. by circ.

7-5/8" OD 8rd  
 28.4 # CSG  
 Set @ 1580' W/ 400 SX  
 Cmt circ.? Yes  
 TOC @ surf. by calc.

5-1/2" OD 10rd  
 17 # CSG  
 Set @ 3747' W/ 400 SX  
 Cmt circ.? Yes  
 TOC @ surf. by calc.



### Completion Data

4/26/35 Natural OH completion.

### Subsequent Workover or Reconditioning:

9/37 Deepened OH to 3891'. ACCZ w/ 1000 gal - tst: 67 BO/ 0 BW/ 165 MCFGPD.  
 3/39 ACCZ OH w/ 1500 gals.  
 7/58 CO to TD. ACCZ OH w/ 3000 gal. Test 30 BO/ 0 BW/ 1156 MCFPD.  
 9/60 Set 4-1/2" liner @ 3690'. Top @ 3697' Perforate 3834-44, 3847-50, 3854-64 & 3875-79. Trtd w/ 500 gal MCA & 3000 gal LSTNeA. Tst: 23 BO/ 13 BW/ 355 MCFGPD. B/4 - 5 Bc/ 1 BW/ 410 MCFGPD.  
 3/72 ACCZ w/ 300 gals  
 2/78 ACCZ w/ 300 gals  
 12/79 ACCZ w/ 5000 gals (2 stages w/ GRS). Tst: 28 BO/ 0 BW/ 163 MCFGPD.  
 8/80 ACCZ w/ 500 gals.  
 2/87 CO & deepened to 3964'. Perf 3790-92, 3798-3800, 3821-23, 3825-27 (2 JHPF). Trtd new perfs w/ 1200 gals 15% NeFeA. REACDZ w/ 1200 gals 15% NeFeA & 32 RCNBs. Swb 0 fluid. Test - 22 BO/ 1 BW/ 201 MCFG B/4 - 4 BO/ 60 BW/ 1 MCFGPD  
 7/89 Upsize ppg equipment Tst - 28 BO/ 355 BW/ 201 MCFG B/4 - 18 BO/ 3 BW/ 179 MCFG.  
 6/90 Ran prod. log. Showed 100% fluid entry 3815-33'. Tst 13 BO/ 328 BW/ 1 MCFGPD.  
 1/91 PB to 3830' w/ sand. Fnd csg lk @ 305-600'. SQZD lk w/ 119 SX. Cmt circ. cut 5-1/2" / 7-5/8" ann. D/O & CO cmt. GIH w/ pkr, set @ 3758'. Polymer SQZD 3758-3830' w/ 314 BBL 2-3# polymer. SI. Swb interval & rec 32 6 BW. CO sand & RTP. Test: 9 BO/ 62 BW/ 0 MCFGPD. FL @ SN. B/4 pbd - 11 BO/ 359 BW/ 1 MCFGPD.  
 8/95 Tag fill @ 3947'. Pickle tbg. ACCZ w/ 5000 gals Viscosified Pentol 200 in 5 stages. Swb. RIH w/ PE. TOP

### Additional Data:

T/Penrose Formation @ 3581'  
 T/Grayburg Zone 1 @ 3760'  
 T/Grayburg Zone 2 @ 3817'  
 T/Grayburg Zone 3 @ 3925'  
 T/Grayburg Zone 4 @ 3979'  
 T/Grayburg Zone 5 @ 4044'  
 T/Grayburg Zone 6 @ 4108'  
 T/San Andres Formation @ 4134'  
 KB @ 3584'