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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Oil Cons.
N.M. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

OCD-ARTESIA

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT --" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well: ☒ OIL WELL ☐ GAS WELL ☐ OTHER

2. Name of Operator
CHEVRON USA INC

3. Address and Telephone No. 15 SMITH ROAD, MIDLAND, TX 79705 915-687-737

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Unit Letter D : 500' Feet From The NORTH Line and 400' Feet From The

WEST Line Section 1 Township 23-S Range 28E

5. Lease Designation and Serial No.

6. If Indian, Alottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and Number
LENTINI 1 FEDERAL

1

9. API Well No.
30-015-27533

10. Field and Pool, Exploratory Area
HERRADURA BEND; DELAWARE, EAST

11. County or Parish, State
EDDY, NM

12. Check Appropriate Box(s) To Indicate Nature of Notice, Report, or Other Data

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ OTHER: ADD PAY & FRAC STIM
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.)

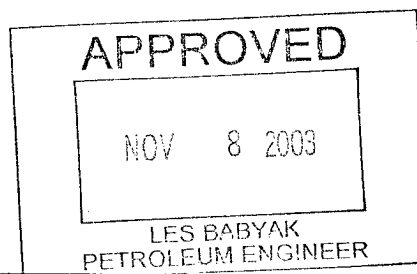
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*.

CHEVRON U.S.A. INTENDS TO ADD DELAWARE PAY & FRAC STIMULATE THE SUBJECT WELL AS PART OF THE LENTINI WATERFLOOD PROGRAM.

THE ADDED PAY WILL BE CONVERTED TO WATER INJECTION SERVICE UPON REGULATORY APPROVAL.

THE INTENDED PROCEDURE AND WELLBORE DIAGRAM IS ATTACHED FOR YOUR APPROVAL.

SUBJECT TO
LIKE APPROVAL
BY NMOCD



14. I hereby certify that the foregoing is true and correct

SIGNATURE *Denise Leake*
TYPE OR PRINT NAME Denise Leake

TITLE Regulatory Specialist

DATE 10/31/2003

(This space for Federal or State office use)

APPROVED

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

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.

Lentini Federal 1 #1
Add Delaware Pay & Fracture Stimulate

500' FNL & 400' FWL
Section 1, T23S, R28E
Eddy County, New Mexico

Date: September 5, 2003
WBS No:
Cost Center: UCKF10100

Elevation: 3063' GL 3074' KB

TD: 6400' PBTD: 6311' (Fill to 6295')

Surface: 8-5/8", 23#, M-50 casing at 514' w/ 575 sx. TOC at surface.

Production: 5-1/2", 15.5# K-55 casing at 6400' w/ DV at 4200' w/ 1300 sx, circ.

Open Perforations: Delaware (2 SPF) 5878'-84', 5888'-98', (4 SPF) 5929'-34', 5942'-47', 5950'-58', 5962'-72', (2SPF) 6021'-28', (1 SPF) 6117'-28'.

Tubing: 2-3/8", 4.7#, J-55, (182 jts) TAC at 5625', 14 jts tbg, SN at 6062', Odessa separator, MAJ/BPOB at 6106'. Ran 3/11/99.

Rods/Pump: 1-1/4" Insert Pump on 3/4" rod string.

Comments: 1. Use 2% KCL for workover fluid.

1. MIRUPU. Unseat pump and TOOH w/ rods and pump.
2. ND Tree. NU 5M BOP's. Release TAC. TOOH w/ 2-3/8" tubing, standing back.
3. RU Baker. Perf Delaware w/ 2 JSPF, 120⁰ from 6167'-79' (25 holes), 6138'-58' (41 holes) and 6051'-78' (53 holes) using 3-1/8" Slick Guns. RD Baker.
4. TIH treating packer and RBP on 2-7/8" workstring. Set packer and RBP to isolate new and existing perfs for acid as per schedule in Step 5.
5. RU Schlumberger. Acidize new and existing perfs w/ 15% HCL w/ bio-ball sealers for divert at 3-4 BPM as per following schedule and attached design dated 9/5/03. Flush w/ 2% KCL. Total 7,400 gals acid and 205 ball sealers.

<u>Stage</u>	<u>Perforations</u>	<u>Acid Volume</u>	<u>Diversion & Rate</u>
1	6117'-6179'	2200 gals	125 balls, 4-5 bpm
2	6051'-6078'	1400 gals	80 balls, 4-5 bpm
3	6021'-6028'	800 gals	No balls, 2-3 bpm
4	5929'-5972'	2000 gals	No balls, 2-3 bpm
5	5878'-5898'	1000 gals	No balls, 2-3 bpm
6. TOOH w/ packer and RBP. TIH w/ packer and set at approximately 6100'.

Lentini Federal 1 #1

Add Delaware Pay and Fracture Stimulate

September 5, 2003

7. Fracture stimulate Delaware perforations 6117'-28', 6138'-58' and 6167'-79' down 2-7/8" workstring w/ 17,500 gals 30# x-linked gel and 50,000# 16/30 100% resin coated sand at 15 BPM as per attached design dated 9/3/03. Pump 2% KCL down annulus during treatment at 0.5 BPM. Anticipated max surface treating pressure is 2650 psi. Flush to top perf w/ 1576 gals 30# linear gel. RD Schlumberger. Shut-in well overnight to allow resin coated sand to cure.
8. Release packer & TOOH w/ workstring.
9. RU Baker. Set CIBP at 6100'. RD Baker.
10. TIH treating packer on 2-7/8" workstring. Set packer at 6000'.
11. RU Schlumberger. Fracture stimulate Delaware perfs 6021'-28' and 6051'-78' down 2-7/8" workstring w/ 17,500 gals 30# x-linked gel and 50,000# 16/30 100% resin coated sand at 20 BPM as per attached design dated 9/3/03. Pump 2% KCL down annulus during treatment at 0.5 BPM. Anticipated surface treating pressure is 3300 psi. Flush to top perf w/ 1500 gals 30# linear gel. RD Schlumberger. Shut-in well overnight to allow resin coated sand to cure.
12. Release packer & TOOH w/ workstring.
13. MIRU power swivel, reverse unit and foam air unit. TIH w/ 4-3/4" bit and drill collars on 2-7/8" workstring. Clean out sand and drill out CIBP at 6100'. Clean out hole to 6250'. TOOH & lay down bit and drillstring. ****James, can we use bit & bailer instead of foam air unit??
14. TIH w/ 2-7/8" production tubing. Set SN at least 50' below bottom perf.
15. Swab to evaluate production rates. Forward swab results to Felix Trevino for pump design.
16. ND BOP's. NU tree.
17. TIH w/ rods and pump and hang well on. RDMOPU.
18. Return well to production and place on test.

Lentini Federal 1 #1
Add Delaware Pay and Fracture Stimulate
September 5, 2003

List of ChevronTexaco Contacts

OS.	Danny Lovell	Office: 505.887.5676 Cell: 505.390.0866
Lease Operator	Joe Garcia	Cell: 505.631.9016
Lease Operator	Earnest Roberts	Cell: 505.631.9019
Engineer.	Joe Williams	Office: 915.687.7193
Artificial Lift Rep.	Felix Trevino	Office: 505.394.1245 Cell: 505.390.7180

EQUIPMENT AND FLUID REQUIREMENTS

WIRELINE SERVICES

Baker Atlas. Hobbs 505.392.7593
Perf charges are HSC-4000-311T w/ 0.38" diameter, 21" penetration.

DELAWARE ACID JOB: (5 Stages as per Step 5 of Procedure)

Schlumberger to Provide Hobbs 505.393.6186

- 7400 gals. 15% HCL w/ additives as per attached specifications dated 9/5/03.
- 205 biodegradable ball sealers (1.15 SG, 7/8" OD)

ChevronTexaco to Provide

- 2% KCL for flush

DELAWARE FRAC STIMULATION 1: (6117'-28', 6138'-58' & 6167'-79' per Step 7)

Schlumberger to Provide Hobbs 505.393.6186

- Additives for 17,500 gal YF130ST fluid system for frac as per attached specs 9/3/03.
- Additives for 1576 gal WF130 fluid system for flush as per attached specs 9/3/03.
- 50,000 lbs 16/30 CR4000 (100% Curable Resin Coated Sand)

ChevronTexaco to Provide

- One frac tank loaded w/ 480 bbls. fresh water for gelled fluids
- One frac tank loaded w/ 120 bbls. fresh water for prime up, flush and bottoms
- Kill truck loaded w/ 2% KCL pump down backside during job.

DELAWARE FRACTURE STIMULATION 2: (6021'-28' and 6051'-78' per Step 11)

Schlumberger to Provide Hobbs 505.393.6186

- Additives for 17,500 gal YF130ST fluid system for frac as per attached specs 9/3/03.
- Additives for 1500 gal WF130 fluid system for flush as per attached specs 9/3/03.
- 50,000 lbs 16/30 CR4000 (100% Curable Resin Coated Sand)

ChevronTexaco to Provide

- One frac tank loaded w/ 480 bbls. fresh water for gelled fluids
- One frac tank loaded w/ 120 bbls. fresh water for prime up, flush and bottoms
- Kill truck loaded w/ 2% KCL to pump down backside during job.

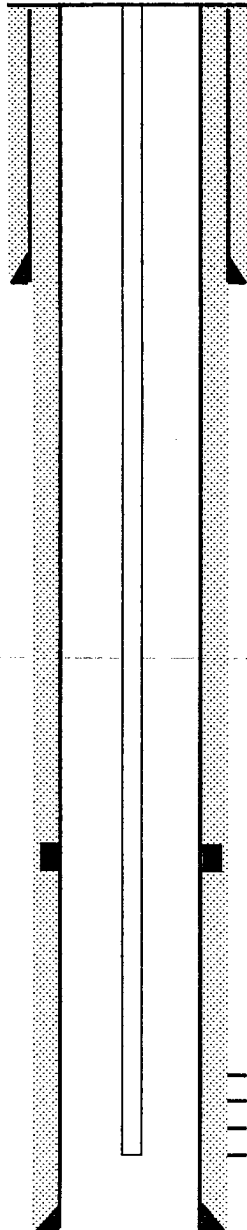
WELL DATA SHEET

Lentini Federal 1 #1
500' FNL & 400' FWL
Section 1, T23S, R28E
Eddy County, NM

API NO: 30-015-27533
CHEVNO: OV7884

8-5/8", 23# M-50 Casing at 514'
w/ 500 sx. TOC 39' (TS).
75 sx via 1" down annulus to surface.

5-1/2", 15.5# K-55 at 6400'
w/ DV at 4200' w/ 600 sx 1st stage
& 700 sx 2nd stage, circ.



PB: 6311' w/ Fill to 6295'
TD: 6400'

GL: 3063'
KB: 3075'
DF: 3074'

Completion Data

07/20/93 - Spud.
08/93 - Perf 6117'-6128' w/ 1 SPF, 12 Bullet Holes. Acdz w/ 1500 gal 7.5% NEFe HCl.
Frac w/ 12,000 gal 40# Linear Gel and 21,800 lbs 16/30 sand.
Flow Test: 105 BOPD, 103 BWPD and 120 MCFPD, 150 psi on 18/64 ck.
08/93 - Set RBP @ 6082'. Perf 6021'-6028' w/ 2 JHPF. Acdz w/ 525 gal 7.5% NEFe HCl.
Acdz w/ 1500 gal 7.5% NEFe HCl. - Frac w/ 3500 gal 40# Linear Gel and 6400 lbs 16/30
sand. Swab Test: 45 BO, 78 BW, Slight gas, for 10 hrs. Would not flow.
C/O Sand, RBP. Run Pump Eq. in 2 3/8" TBG. Set PU. RDMO.
08/30/93 - Lower Pump, SN @ 6097'.
09/13/93 - MIRU PU. Replace gas anchor.
10/13/93 - Set RBP @ 6010'. Perf 5878'-84' & 5888'-98' w/ 2 JHPF, 120 deg. Acid w/ 1500
gal 7.5% NEFe HCl. POOH PKR & RIH open ended w/ TBG at 5646'. Run base temp log
over upper perfs. Frac down TBG w/ annulus open to surface. Pump 27,700 lbs 16/30
sand and 5000 lbs 16/30 RCS in 14,000 gal 40 lb linear gel. Run after frac temp and GR
log. CO sand & POOH RBP. Ran tubing & pump.
1/97 - Ran bit & scraper. Tag fill at 6295'. Could not circ. clean. Ran packer & RBP.
Isolated perf intervals & pumped solvent/acid/paraffin treatment. POOH w/ packer & RBP.
Ran tubing & pump.
3/99 - Set RBP at 6010'. Perf 5929'-34', 5942'-47', 5950'-58', 5962'-72' w/ 4 SPF. Acid w/
2500 gals. Frac w/ 8150 gals 40# gel, 15,660# 16/30 sand & 1500 # 100 mesh sand. CO
sand, POOH w/ RBP.

2-3/8", 4.7# J-55 tubing w/ TAC at 5625', SN at 6062',
Odessa gas separator, MAJ/BPOB at 6106'.

Existing Perfs (Delaware)

5878'-5884', 5888'-98' (4 SPF)
5929'-34', 5942'-47', 5950'-58', 5962'-72' (4SPF)
6021'-28' (2 SPF)
6117'28' (1 SPF)