

New Mexico Oil Conservation Division, District I  
1625 N. French Drive  
Hobbs, NM 88240

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Designation and Serial No.  
LC 032650B

6. If Indian, Alottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and Number  
COATES GLORIETA FEDERAL COM

1

9. API Well No.  
30-025-21428

10. Field and Pool, Exploatory Area  
Justis Glorieta

11. County or Parish, State  
LEA, NM

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 RD, MIDLAND, TX 79705 432-687-737

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

Unit Letter K : 1650 Feet From The SOUTH Line and 1650 Feet From The

WEST Line Section 24 Township 25S Range 37E

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

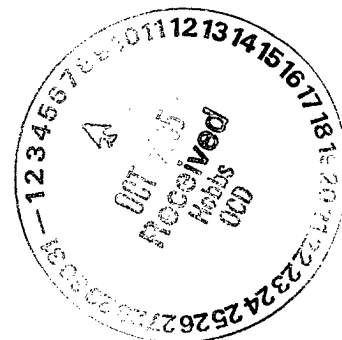
- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ OTHER: ADD PERFS & ACIDIZE  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(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. INC. INTENDS TO ADD PERFS IN THE JUSTIS GLORIETA RESERVOIR, IN THE SUBJECT WELL.

THE CURRENT AND PROPOSED WELLBORE DIAGRAMS, AND THE INTENDED PROCEDURE IS ATTACHED FOR YOUR APPROVAL.



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

SIGNATURE Denise Pinkerton TITLE Regulatory Specialist DATE 9/30/2005

TYPE OR PRINT NAME Denise Pinkerton

(This space for Federal or State office use)

APPROVED DAVID R. GLASS

CONDITIONS OF APPROVAL, IF ANY: TITLE

PETROLEUM ENGINEER

DATE

OCT 03 2005

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.

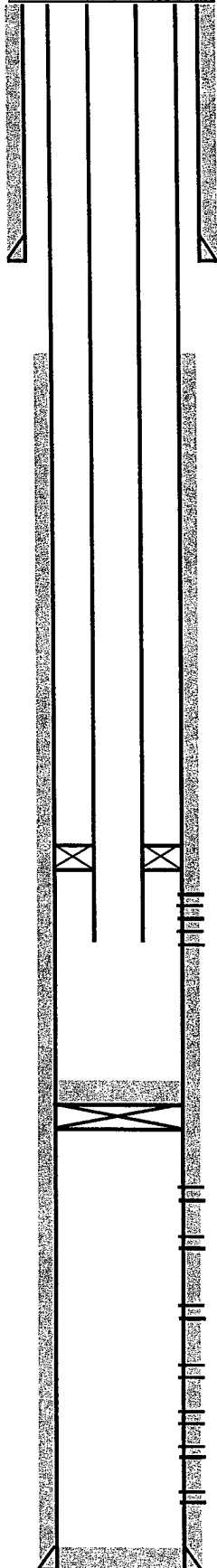
Well: **Coates Glorieta Federal Com # 1** Field: **Justis Glorieta**

Reservoir: **Glorieta/Paddock**

**Location:**  
1650' FSL & 1650' FWL  
Section: 24  
Township: 25S  
Range: 37E  
County: Lea State: NM

**Elevations:**  
GL: 3072'  
KB: 3083'  
DF: 3082'

**Current  
Wellbore Diagram**



**Well ID Info:**  
Refno: FF4782  
API No: 30-025-21428  
L5/L6: U803400  
Spud Date: 7/25/65  
Compl. Date: 3/17/38

**Surf. Csg:** 7 5/8", 26.4#, J-55  
**Set:** @ 909' w/ 435 sks  
**Hole Size:** 11"  
**Circ:** No **TOC:** Surface  
**TOC By:** Circulated using 1" pipe

**Tubing Detail:**

#Jts:	Size:	Footage
	KB Correction	11.00
150	Jts. 2 3/8" J-55 Tbg	4652.00
	4 1/2" Model R Packer	4.70
	35' of fiberglass tailpipe	35.00
150	Bottom Of String >>	4702.70

Perfs:	Status:
4686'	Glorieta/Paddock - Cmt Sqzd
4688-94'	Glorieta/Paddock - Open
4702-30'	Glorieta/Paddock - Open

**CIBP @ 4870'**  
(35' cmt on top)

**Blinebry Perfs - Below CIBP**

4986'	5171'	5395'
4994'	5181'	5400'
5002'	5234'	5408'
5009'	5257'	5414'
5013'	5314'	5418'
5102'	5323'	5425'
5105'	5328'	5429'
5112'	5338'	5435'
5119.5'	5342'	5441'
5126.5'	5347'	5446'
5129'	5357'	5449'
5149'	5359'	

**COTD:** 4835'  
**PBTD:** 4835'  
**TD:** 5650'

**Prod. Csg:** 4 1/2", 11.6#, J-55  
**Set:** @ 5649' w/ 882 sks  
**Hole Size:** 6 3/4"  
**Circ:** No **TOC:** 2400'  
**TOC By:** Temperature Survey

**Updated:** 9/29/05

**By:** A. M. Howell

Well: Coates Glorieta Federal Com # 1

Field: Justis Glorieta

Reservoir: Glorieta/Paddock

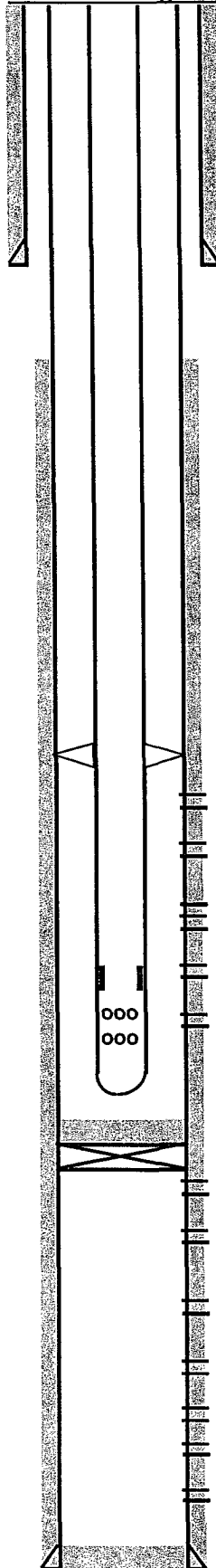
**Location:**

1650' FSL & 1650' FWL  
 Section: 24  
 Township: 25S  
 Range: 37E  
 County: Lea State: NM

**Elevations:**

GL: 3072'  
 KB: 3083'  
 DF: 3082'

### Proposed Wellbore Diagram

**Well ID Info:**

Refno: FF4782  
 API No: 30-025-21428  
 L5/L6: U803400  
 Spud Date: 7/25/65  
 Compl. Date: 3/17/38

Surf. Csg: 7 5/8", 26.4#, J-55

Set: @ 909' w/ 435 sks

Hole Size: 11"

Circ: No TOC: Surface

TOC By: Circulated using 1" pipe

**Tubing Detail:**

#Jts:	Size:	Footage
	KB Correction	11.00
147	Jts. 2 3/8" J-55 Tbg	4557.00
	TAC	2.70
9	Jts. 2 3/8" J-55 Tbg	279.00
1	Jt. 2 3/8" J-55 IPC Tbg	31.00
	SN	1.10
	2 3/8" x 4' Perf Tbg Sub	4.00
1	Jt. 2 3/8" J-55 Tbg	31.00
	Bull Plug	0.50
158	Bottom Of String >>	4917.30

**Perfs:**

4628-32'	Glorieta/Paddock - Open
4646-50'	Glorieta/Paddock - Open
4666-70'	Glorieta/Paddock - Open
4686'	Glorieta/Paddock - Cmt Sqzd
4688-94'	Glorieta/Paddock - Open
4702-30'	Glorieta/Paddock - Open
4752-56'	Glorieta/Paddock - Open
4767-71'	Glorieta/Paddock - Open
4815-19'	Glorieta/Paddock - Open
4850-54'	Glorieta/Paddock - Open
4896-4900'	Glorieta/Paddock - Open

**Status:**

CIBP @ 4975'

(35' cmt on top)

**Blindbry Perfs - Below CIBP**

4986'	5171'	5395'
4994'	5181'	5400'
5002'	5234'	5408'
5009'	5257'	5414'
5013'	5314'	5418'
5102'	5323'	5425'
5105'	5328'	5429'
5112'	5338'	5435'
5119.5'	5342'	5441'
5126.5'	5347'	5446'
5129'	5357'	5449'
5149'	5359'	

COTD: 4940'

PBSD: 4940'

TD: 5650'

Updated: 9/29/05

By: A. M. Howell

Prod. Csg: 4 1/2", 11.6#, J-55

Set: @ 5649' w/ 882 sks

Hole Size: 6 3/4"

Circ: No TOC: 2400'

TOC By: Temperature Survey

Coates Glorieta Federal Com # 1

Justis Glorieta Field

T25S, R37E, Section 24

WBS # UWDOL-R5341

**Job: Add Perfs In Glorieta/Paddock Formation, Acidize, And Equip To Rod Pump**

**Procedure:**

1. Install flowline. Displace flowline with fresh water. Have field specialist close valve at header. Pressure line according to the type of line. 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 Randy Crawford for repair/replacement. If test is good, bleed off pressure and **open valve** at header. Document this process in the morning report.
2. MI & RU workover unit. Bleed pressure from well, if any. Pump down tbg with 8.6 PPG cut brine water, if necessary to kill well. Remove WH. Install BOP's and test csg and BOP's to 2000 psi. Release packer. POH with 2 3/8" tbg string. LD packer and fiberglass tailpipe.
3. PU and GIH with 3 7/8" MT bit and 2 3/8" work string to 4835'. Establish reverse circulation using 8.6 PPG cut brine water. LD and drill out cement and CIBP at 4870'. LD and cleanout 4 1/2" casing to 4980'. Reverse circulate well clean from 4980' using 8.6 PPG cut brine water. POH with work string and bit. LD bit. **Note:** **If well will not circulate, use air unit and clean out using foam.**
4. MI & RU Baker Atlas electric line unit. Install lubricator and test to 2000 psi. GIH and set CIBP at 4975'. POH. GIH with 3 1/8" slick casing guns and perforate from 4628-32', 4646-50', 4666-70', 4752-56', 4767-71', 4815-19', 4850-54', and 4896-4900' with 4 JSPF at 120 degree phasing, using 23 gram premium charges. POH. GIH and dump-bail 35' cmt on top of CIBP at 4975. POH. RD & release electric line unit. **Note:** **Use casing collars from Dresser Atlas PFC Log dated 12/10/69 for depth correction.**
5. PU and GIH w/ 4 1/2" PPI pkr (with 10' element spacing) and SCV on 2 3/8" work string to approximately 4600'. Test tbg to 5500 psi while GIH.
6. MI & RU DS Services. Acidize perfs 4628-4900' with 5,600 gals anti-sludge 15% HCl acid \* at a maximum rate **as shown below** and a maximum surface pressure of **4500 psi**. Spot acid to bottom of tbg at beginning of each stage. Pump job as follows:

Interval	Amt. Acid	Max Rate	PPI Setting
4896-4900'	400 gals	2 BPM	4895-4905'
4850-54'	400 gals	2 BPM	4848-58'

4815-19'	400 gals	2 BPM	4812-22'
4767-71'	400 gals	2 BPM	4765-75'
4752-56'	400 gals	2 BPM	4750-60'
4721-30'	500 gals	2 BPM	4721-31'
4711-21'	500 gals	2 BPM	4711-21'
4702-11'	500 gals	2 BPM	4701-11'
4686-94'	500 gals	2 BPM	4685-95'
4666-70'	400 gals	2 BPM	4665-75'
4646-50'	400 gals	2 BPM	4644-54'
4628-32'	400 gals	2 BPM	4625-35'

Displace acid with 8.6 PPG cut brine water -- do not overdisplace. Use a SCV to control displacement fluid. Record ISIP, 5 & 10 minute SIP's. RD and release DS services. **Note: Pickle tubing in 1 run of 500 gals acid, prior to acidizing perfs. Pickle acid is to contain only 1/2 gal A264 and 1 gal W53. Also, if communication occurs during treatment of any interval, monitor casing pressure and attempt to complete stage w/o exceeding 500 psi csg pressure. If cannot, then move PPI to next setting depth and combine treatment volumes.**

* Acid system is to contain:	1 GPT A264	Corrosion Inhibitor
	8 GPT L63	Iron Control Agent
	2 PPT A179	Iron Control Aid
	20 GPT U66	Mutual Solvent
	2 GPT W53	Non-Emulsifier

7. Release PPI pkr and PUH to approximately 4600'. Swab back all intervals together. Recover 100% of treatment and load volumes before shutting well in for night, if possible. Report recovered fluid volumes, pressures, and/or swabbing fluid levels. **Note: Selectively swab perfs as directed by Engineering if excessive water is produced.**
8. Release PPI pkr. POH LD 2 3/8" work string and PPI packer.
9. PU and GIH w/ BP mud anchor jt of 2 3/8" tbg, 2 3/8" x 4' perforated sub, SN, 1 jt. 2 3/8" EUE 8R J-55 IPC tbg, 9 jts 2 3/8" EUE 8R J-55 tbg, TAC, and 147 jts 2 3/8" EUE 8R J-55 tbg, testing to 5000 psi. Set TAC at 4568', with EOT at 4917' and SN at 4880'.
10. Remove BOP's and install WH. GIH with rods, weight bars, and pump per ALS recommended design. RD & release workover unit.
11. Turn well over to production. Report daily well tests including choke sizes, flowing pressures and/or fluid levels.