

OCD-HOBBS

Form 3160-5
(June 1990)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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

SUBMIT IN TRIPLICATE

1. Type of Well: ☒ OIL WELL ☐ GAS WELL ☐ OTHER2. 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 A : 660 Feet From The NORTH Line and 660 Feet From The

EAST Line Section 35 Township 24S Range 37E

5. Lease Designation and Serial No.

NM-14218

6. If Indian, Alottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and Number

C.C. FRISTOE 'B' FEDERAL NCT-2

4

9. API Well No.

30-025-11369

10. Field and Pool, Exploatory Area

LANGLIE MATTIX 7 RVRS Q GRAYBURG

11. County or Parish, State

LEA, 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

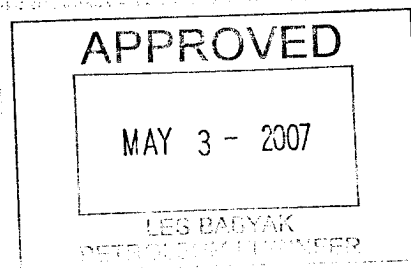
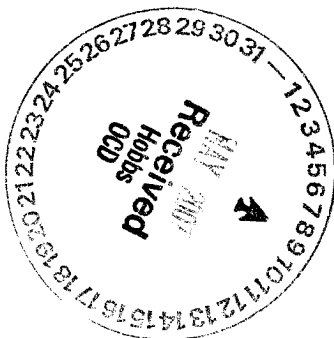
- ☐ Abandonment
- ☐ Recompletion
- ☐ Plugging Back
- ☐ Casing Repair
- ☐ Altering Casing
- ☒ OTHER: ADD GRAYBURG PERFS
- ☐ Change of Plans
- ☐ New Construction
- ☐ Non-Routine Fracturing
- ☐ Water Shut-Off
- ☐ Conversion to Injection
- ☐ Dispose Water

(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 GRAYBURG PERFS IN THIS TAD WELL.
A PIT WILL NOT BE USED FOR THIS WORKOVER. A STEEL FRAC TANK WILL BE UTILIZED.

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



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

SIGNATURE Denise Pinkerton TITLE Regulatory Specialist DATE 5/1/2007TYPE OR PRINT NAME Denise Pinkerton

(This space for Federal or State office use)

APPROVED Chris Williams TITLE OC DISTRICT SUPERVISOR/GENERAL MANAGER

CONDITIONS OF APPROVAL, IF ANY:

DATE MAY 15 2007

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.

C. C. Fristoe B Federal (NCT-2) # 4
Langlie Mattix Field
T24S, R37E, Section 35
Job: Drill Well Deeper To Grayburg Formation And Frac Stimulate

Procedure:

1. *This procedure is based on the most recent information regarding wellbore configuration and equipment that could be found in the Midland Office well files and computer databases as of 4/20/2007. Verify what is in the hole with the well file in the Eunice Field office. Discuss w/ WEO Engineer, Workover Rep, OS, ALS, and FS prior to rigging up on well regarding any hazards or unknown issues pertaining to the well.*
2. 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 Darryl Ruthardt for repair/replacement. If test is good, bleed off pressure and **open valve** at header. Document this process in the morning report.
3. MI & RU workover unit. Bleed pressure from well, if any. **NOTE: EXERCISE CAUTION – WELL HAS BEEN TA'D SINCE NOVEMBER 1999.** Pump down csg with 8.6 PPG cut brine water, if necessary to kill well. Remove WH. Install BOP's and test as required. Pressure test casing to 500 psi. **Note: If casing does not successfully pressure test, discuss with Engineering before continuing with job.**
4. PU 6 1/4" MT bit & drill collars and GIH on 2 7/8" work string to approximately 3165'. MI & RU air unit(s). Establish circulation using foam. LD and drill out cement and CIBP in 7" casing at 3165'. Continue cleaning out to original TD at 3463'. Drill well deeper to a new TD of 3475'. Circulate well clean from 3475'. POH with 6 1/4" MT bit and drill string. LD MT bit. PU 6 1/4" sealed bearing button bit and GIH on 2 7/8" drill string to 3475'. LD and drill well deeper to 3700' using foam. Circulate well clean from 3700'. POH with 6 1/4" bit and drill string. LD bit and drill collars.
5. PU and GIH w/ 7" 10K treating pkr & On-Off tool w/ 2.25" "F" profile on 102 jts. of 3 1/2" EUE 8R L-80 work string, testing to 8500 psi. Set pkr at approximately 3150'. Install 10K frac head. Pressure annulus to 500 psi to test csg and pkr. Leave pressure on csg during frac job to observe for communication. Have frac tanks filled with 2% KCl water.
6. MI & RU Halliburton Services and Tracer-Tech Services (Mike Mathis (866) 595-3115). Frac well down 3 1/2" tubing at **40 BPM** with 88,000 gals of Delta Frac 140 R (25), 176,000 lbs. 16/30 mesh Jordan Sand, and 30,000 lbs **resin-coated** 16/30 mesh CR1630 proppant. Observe a maximum surface treating pressure of **8000 psi**. Tag frac with 2 radioactive isotopes (1 in regular sand stages, and 1 in resin-coated proppant stage). Pump job as follows:

Pump 1,000 gals 2% KCL water spacer

Pump 2,000 gals 2% KCL water containing 55 gals Baker RE 4777-SCW Scale Inhibitor

Pump 1,000 gals 2% KCL water spacer
 Pump 14,000 gals Delta Frac 140 R (25) pad containing 20 PPT WLC-7 Fluid Loss Additive
 Pump 14,000 gals Delta Frac 140 R (25) containing 0.5 PPG 16/30 mesh Jordan Sand & 20 PPT WLC-7
 Pump 12,000 gals Delta Frac 140 R (25) containing ramped 1 - 2 PPG 16/30 mesh Jordan Sand
 Pump 12,000 gals Delta Frac 140 R (25) containing ramped 2 - 3 PPG 16/30 mesh Jordan Sand
 Pump 14,000 gals Delta Frac 140 R (25) containing ramped 3 - 4 PPG 16/30 mesh Jordan Sand
 Pump 16,000 gals Delta Frac 140 R (25) containing ramped 4 - 5 PPG 16/30 mesh Jordan Sand
 Pump 6,000 gals Delta Frac 140 R (25) containing 5 PPG **resin-coated** 16/30 mesh CR1630 proppant.

Flush to 3250' with 1,320 gals Water Frac G – R (25). **Do not overflush.** Shut well in. Record ISIP, 5, 10, and 15 minute SI tbg pressures. SWI. RD & Release Halliburton Services and Tracer-Tech Services.
Leave well SI overnight.

7. Open well. Bleed pressure from well, if any. Release pkr. POH LD 3 ½" work string, on-off tool, and pkr.
8. PU and GIH with 6 ¼" MT bit on 2 7/8" work string to TD at 3700'. If fill is tagged above 3700', cleanout to 3700' using 8.6 PPG cut brine water and air unit if necessary. POH with 2 7/8" work string and bit. LD bit.
9. PU & GIH with 7" pkr on 2 7/8" work string to 3150'. Set pkr at 3150'. Open well. GIH and swab well until there is no sand inflow. Swab well for at least 3 hours before logging. MI & RU Baker Atlas electric line unit. Install lubricator and test to 1000 psi. GIH and conduct after-frac PRISM GR/Temp/CCL log from 3700' up to 2800'. POH. RD & release electric line unit. **Note: Correlate logs and run flat with Lane Wells Radioactivity Log dated 10/30/50. Also, if more than 10' of fill is tagged, cleanout wellbore to 3700'.**
10. Release pkr. POH LD 2 7/8" work string and pkr.
11. PU and GIH w/ BP mud anchor jt of 2 7/8" tbg, 2 7/8" x 4' perforated sub, SN, 1 jt 2 7/8" EUE 8R J-55 IPC tbg, 12 jts 2 7/8" EUE 8R J-55 tbg, TAC, and 102 jts 2 7/8" EUE 8R J-55 tbg, testing to 5000 psi. Set TAC at 3175', with EOT at 3618' and SN at 3581'.
12. Remove BOP's and install WH. GIH with rods, weight bars, and pump per ALS (John Bermea , telephone (432) 967-3420) recommended design. RD & release pulling unit.
13. Turn well over to production. Report producing rates, choke sizes, flowing pressures and/or fluid levels.

AMH
 4/20/2007

Well: **C. C. Fristoe B Federal (NCT-2) # 4**

Field: **Langlie Mattix**

Reservoir: **7Rivers/Queen**

Location:

660' FNL & 660' FEL
Section: 35
Township: 24S
Range: 37E
County: Lea State: NM

Elevations:

GL: 3161'
KB: 3174'
DF: 3173'

Current Wellbore Diagram

Well ID Info:

Refno: FB2332
API No: 30-025-11369
L5/L6: U727600
Spud Date: 9/26/50
Compl. Date: 10/29/50

Surf. Csg: 9 5/8", 32.3#, H-40
Set: @ 1090' w/ 600 sks
Hole Size: 12 1/4"
Circ: Yes **TOC:** Surface
TOC By: Circulated

Tubing Detail:

<u>#Jts:</u>	<u>Size:</u>	<u>Footage</u>
None		

0

End Of Tbg >>

0.00

CIBP @ 3200'
(35' cmt on top)

Prod. Csg: 7", 20#, J-55
Set: @ 3250' w/ 425 sks
Hole Size: 8 3/4"
Circ: No **TOC:** 1816'
TOC By: Calculated

**6 1/4" Open-Hole
Production Interval
3250-3463' (7Rivers/Queen)**

COTD: 3165'
PBTD: 3165'
TD: 3463'

Updated: 4/20/07

By: A. M. Howell

Well: **C. C. Fristoe B Federal (NCT-2) # 4**Field: **Langlie Mattix**Reservoir: **7Rivers/Queen/****Location:**

660' FNL & 660' FEL
 Section: 35
 Township: 24S
 Range: 37E
 County: Lea State: NM

Elevations:

GL: 3161'
 KB: 3174'
 DF: 3173'

Proposed
Wellbore Diagram

Well ID Info:

Refno: FB2332
 API No: 30-025-11369
 L5/L6: U727600
 Spud Date: 9/26/50
 Compl. Date: 10/29/50

Surf. Csg: 9 5/8", 32.3#, H-40
Set: @ 1090' w/ 600 sks
Hole Size: 12 1/4"
Circ: Yes **TOC:** Surface
TOC By: Circulated

Tubing Detail:

#Jts:	Size:	Footage
	KB Correction	13.00
102	Jts. 2 7/8" EUE 8R J-55 Tbg	3162.00
	TAC	3.15
12	Jts. 2 7/8" EUE 8R J-55 Tbg	372.00
1	Jt. 2 7/8" EUE 8R J-55 IPC	31.00
	SN	1.10
	2 7/8" x 4' Perf Tbg Sub	4.00
1	Jt. 2 7/8" EUE 8R J-55 Tbg	31.00
	Bull Plug	0.50
116	Bottom Of String >>	3617.75

Prod. Csg: 7", 20#, J-55
Set: @ 3250' w/ 425 sks
Hole Size: 8 3/4"
Circ: No **TOC:** 1816'
TOC By: Calculated

6 1/4" Open-Hole
Production Interval
 3250-3700' (7Rivers/Queen/Grayburg)

COTD: 3700'
PBTD: 3700'
TD: 3700'

Updated: 4/20/07

By: A. M. Howell