

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

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other **WFX-774**

2. Name of Operator

Apache Corporation

3a. Address

6120 South Yale, Suite 1500 Tulsa, OK 74136-4224

3b. Phone No. (include area code)

918-491-4900

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

1980' FNL & 2310' FWL, Sec. 10-T21S-R37E

5. Lease Serial No.

NM-2512

6. If Indian, Allottee or Tribe Name

7. If Unit or C/A Agreement, Name and/or No.

Northeast Drinkard Unit

8. Well Name and No.

NEDU 404

9. API Well No.

30-025-06454

10. Field and Pool, or Exploratory Area

N. Eunice Blinbry-Tubb-Drinkard

11. County or Parish, State

Lea, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input checked="" type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input checked="" type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plugback	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

**SUBJECT TO  
LIKE APPROVAL  
BY STATE**

1/24/02

MIRU SU. POOH LD RODS & PUMP. NU BOP. POOH LD TBG. CLEAN OUT TO PBTD.

1/28/2002

SET 5-1/2" MODEL 'PST' RBP & MODEL 'CST' PKR. SET PLUG @ 5600'. TEST TO 1000#. PU TO 5266' & SET PKR. LOAD BACKSIDE & TEST TO 500#-OK. RIH TO 5588' TESTING 1 JT @ A TIME. CSG LK FROM 5266-5588'. PULL ABOVE 5266'.

1/29/2002

RIH TO 5266' & SET PKR. PREPARE TO POLYMER SQZ W/ TIORCO.

2/7/02

LOWER PKR TO 5588'. SPOT 13 BBLs MARASEAL POLYMER ACROSS LEAK. RESET PKR @ 5007'. BEGIN SQUEEZING @ 0# & 1/4 BPM. PRESS TO 2000# W/ 8/10 BBLs PUMPED. WAIT 25 MINS - PRESS @ 1400#. PUMP 1/10 BBL - PRESS @ 2000#. RD.

2/12/2002

REL PKR. CIRC. HOLE CLEAN. POH & LD PKR. REL RBP & POH LD 2-7/8"WS.

2/14/2002

SET PKR @ 5669', 5638' & 5608' TRYING TO GET H-5 TEST. PRESS TO 500#-LEAK OFF TO 0# IN 2 MINS. DECIDE TO RUN 4" FLUSH JT LINER TO ELIMINATE CSG LEAK. RIH W/ 5-1/2" RBP TO 5633'. SET PLUG & TEST. PU TO 5255' & SET PKR. (continued on reverse)

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

Name (Printed/Typed)

Kara Coday

Title

Sr. Engineering Technician

Signature

*Kara Coday*

Date

12/17/2002

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice 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.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

2/14/02 (continued)

LOAD BACKSIDE & PRESS TO 500#. PUMP DOWN TBG-PRESS TO 1000#. BLEED OFF TO 0# IN 30 SECS. REL. PKR & PLUG. POOH LD WS.

8/19/02

RUSU. RIH W/ RBP & PKR ON 2 7/8" WORKSTRING. SET RBP AT 5612' AND PKR AT 5608'. TEST TOOLS AT 1000 PSI. HOLDS OK. MOVE PKR TO 5577'. PRESSURE UP DOWN TUBING. HOLDS 500 PSI PRESSURE. MOVE PKR TO 5546'. PRESSURE LEAKS DOWN TBG, HOLDS ON BACKSIDE. ESTABLISH RATE OF 3/4 BPM AT 1000 PSI.

8/20/02

RELEASE PKR AND DROP SAND ON RBP. POH. RIH W/ CEMENT RETAINER. SET RETAINER AT 5510'. PRESSURE UP ON BACKSIDE TO 500 PSI. HOLDS OK. TEST TUBING AT 2000 PSI. PREP TO SQUEEZE LEAK 8-21-02.

8/21/02

RU SCHLUMBERGER. SQUEEZE LEAK IN 5 1/2" CASING W/ 168 SKS CLASS C CEMENT. ADD 0.2% FLUID LOSS CONTROL CHEM. TOTAL SLURRY 64 BBLs. WASH-UP. START FLUSH. FLUSH 25 BBLs IN 1 1/2 HRS. FINAL PRESSURE 3000 PSI. STING OUT OF RETAINER. REVERSE OUT 32 SKS TO PIT. POH. WOC UNTIL 8/22/02.

8/23/02

RIH W/ 4 3/4" BIT AND 6- 31/2" COLLARS. TAG CEMENT AT 5500'. DRILL OUT CEMENT AND RETAINER TO 5600'. CIRCULATE HOLE CLEAN. PRESSURE TEST CASING AT 500 PSI FOR 30 MIN. TEST OK. RIH W/ RETRIEVING HEAD ON 2 7/8" TBG. UNABLE TO GET OVER RBP.

8/26/02

CIRCULATE WELL 1 HOUR. CATCH RBP. RELEASE AND POH W/ 2 7/8" WORKSTRING LAYING DOWN. PREP TO RUN INJECTION TUBING AND PKR 8/27/02.

8/27/02

RIH W/ 2 3/8" TK-99 INJECTION STRING AND INJECTION PKR. LOAD AND TEST BACKSIDE AT 500 PSI. GET 60 PSI LEAK-OFF IN 30 MINUTES. PUMP DOWN TUBING TO 2000 PSI. PRESSURE STABLE ON BACKSIDE. CASING PLUGGED W/ CEMENT BELOW 5600'. RELEASE PKR AND POH. PREP TO RIH W/ BIT AND COLLARS TO DRILL OUT. CEMENT.

8/28/02

RIH 4 3/4" BIT AND 6-3 1/2" COLLARS ON 2 7/8" WORKSTRING. TAG CEMENT AT 5660'. DRILL OUT CEMENT TO 5826'. CIRCULATE. CLEAN OUT TO 6762. CIRCULATE CLEAN. POH.

8/30/02

RIH W/ RBP AND PKR ON 2 7/8" WORKSTRING. SET RBP AT 6766' AND PKR AT 6517'. PUMP INTO DRINKARD PERFS 1/2 BPM @ 1200 PSI. RELEASE RBP AND PKR. SET RBP AT 6519'. PKR AT 6072'. TEST TUBBS PERFS AT 1200 PSI FOR 15 MINUTES W/ NO LEAK-OFF. RELEASE RBP AND PKR. SET RBP AT 6075' AND PKR AT 5609'. PUMP INTO BLINEBRY PERFS 3/4 BPM AT 1800 PSI. RELEASE RBP AND PKR. LEAVE SWINGING ABOVE PERFS. PREP TO ACIDIZE DRINKARD AND BLINEBRY ZONES 9/03/02. SDFW.

9/3/02

RU PETROPLEX. HOLD SAFETY MEETING AND TEST LINES. SET RBP AT 6766', PKR AT 6545'. ACIDIZE DRINKARD INTERVAL DOWN 2 7/8" WORKSTRING W/ 2000 GALS 15% BXDX HCL DIVERTED W/ 200# ROCK SALT IN 2 ACID AND 1 ROCK SALT STAGE. ATP 2800 PSI AT 4.5 BPM. MAX PRESSURE 3000 PSI. FLUSH W/ 44 BBLs KCL WATER. ISIP- 2250, 5 MIN- 1829, 10 MIN- 1457, 15 MIN- 1189 PSI. BLEED OFF PRESSURE. RELEASE PKR AND WASH SALT OFF PERFS. RETRIEVE RBP AND RESET AT 6075', SET PKR AT 5609'. ACIDIZE BLINEBRY INTERVAL W/ 2000 GALS 15% BXDX HCL DIVERTED W/ 600# ROCK SALT IN 2 ACID AND 1 ROCK SALT STAGE. ATP 2500 PSI AT 6 BPM. MAX PRESSURE 3000 PSI. FLUSH W/ 43 BBLs KCL WATER. ISIP- 1000, 30 SECONDS WELL ON VAC. RELEASE PKR AND WASH SALT. POH LAYING DOWN WORKSTRING.

9/4/02

RIH W/ 5 1/2" LOC-SET PKR ON 172 JTS 2 7/8" TBG. SET PKR AT 5512'. LOAD BACKSIDE W/ PKR FLUID. BLEED AIR. ATTEMPT TO GET CHART AT 500 PSI. LEAVE BACKSIDE CRACKED TO REVERSE PIT. PREP TO TEST

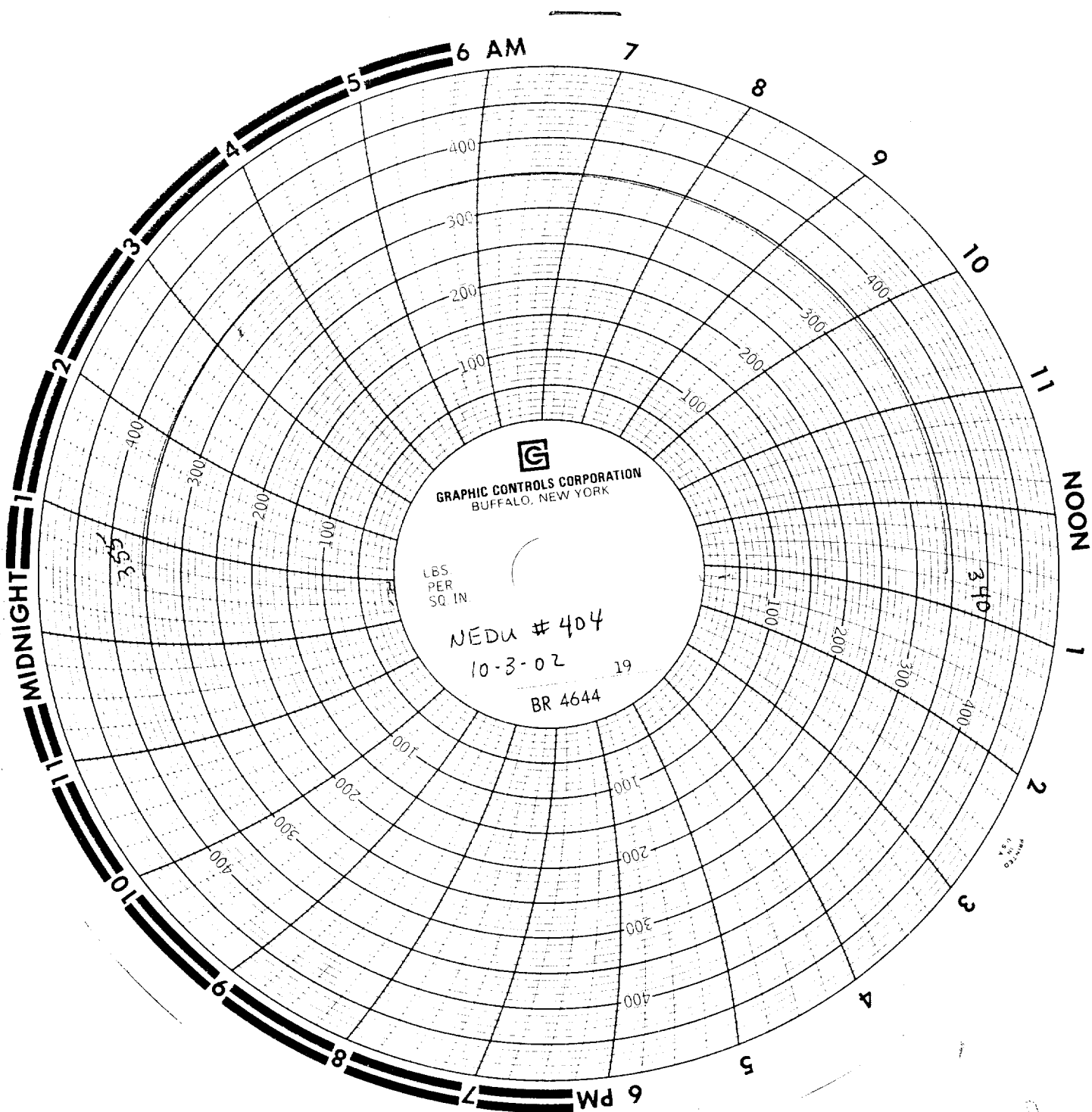
9/16/02

TEST IN HOLE W/ 2 3/8" TK-99 TUBING AT 5000 PSI BELOW SLIPS. NO LEAK FOUND. LOAD BACKSIDE W/ 100 BBLs POLYMER PACKER FLUID AT 1.5 BPM. PRESSURE UP ON WELL AND LEAVE SI AT 500 PSI.

9/17/02

CHART WELL. TESTS OK. FINAL REPORT.

Casing Integrity Chart attached.



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
WELL COMPLETION OR RECOMPLETION LOG

N.M. Oil Cons. Division  
1625 N. French Dr.  
Hobbs, NM 88240

FORM APPROVED  
OMB NO. 1004-1037  
Expires: November 30, 2000

1a. Type of Well: <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input checked="" type="checkbox"/> Other <b>Injection - WFX-774</b>		5. Lease Serial No. <b>NM-2512</b>							
b. Type of Completion: <input type="checkbox"/> New Well <input type="checkbox"/> Workover <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr.		6. If Indian, Allottee or Tribe Name							
2. Name of Operator <b>Apache Corporation</b>		7. Unit or CA Agreement Name and No. <b>Northeast Drinkard Unit</b>							
3. Address <b>6120 South Yale, Suite 1500 Tulsa, OK 74136-4224</b>		8. Lease Name and Well No. <b>NEDU 404</b>							
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface <b>Unit F, 1980' FNL &amp; 2310' FWL</b>		9. API Well No. <b>30-025-06454</b>							
At top prod. interval reported below		10. Field and Pool, or Exploratory <b>N. Eunice Blinbry-Tubb-Drinkard</b>							
At total depth		11. Sec., T., R., M., or Block and Survey or Area <b>Sec. 10-T21S-R37E</b>							
14. Date Spudded		12. County or Parish <b>Lea</b>							
15. Date T.D. Reached		13. State <b>NM</b>							
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Produce <b>09/17/02</b>		17. Elevations (DF, RKB, RT, GL) * <b>3462'    DF</b>							
18. Total Depth: MD <b>8079'</b> TVD		19. Plug Back T.D.: MD <b>6790'</b> TVD							
20. Depth Bridge Plug Set: MD <b>6800'</b> TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each)							
22. Was well cored? <input type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)									
23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
13-3/4	10-3/4	33/36#	Surface	270'		250		Circulated	
9-7/8	7-5/8	24# J-55	1125'	3149'		1360		(TS)	
6-3/4	5-1/2	14/15.5/17#	3250'	8078'		470		(TS)	
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2-3/8		5512'							
25. Producing Intervals									
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status			
			Blinbry 5860-6047		41	Injecting			
			Tubb 6093-6470		36	Injecting			
			Drinkard 6545-6766		33	Injecting			
26. Perforation Record									
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.									
Depth Interval		Amount and Type of Material							
28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tubing Pressure Flwg. SI	Casing Pressure	24 Hour Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→					Injecting	
28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tubing Pressure Flwg. SI	Casing Pressure	24 Hour Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

SUBJECT TO  
LIKE APPROVAL  
BY STATE

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tubing Pressure Flwg. SI	Casing Pressure	24 Hour Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tubing Pressure Flwg. SI	Casing Pressure	24 Hour Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, Etc.	Name	Top Measured Depth

32. Additional remarks (include plugging procedure):

## 33. Mark enclosed attachments:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
- ☒ Sundry Notice / Plugging / Cement Verification
 ☐ Core Analysis
 ☒ Other Casing Integrity Chart

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Kara CodayTitle Sr. Engineering Technician

Signature

Kara CodayDate 12/17/2002

Title 18 U.S.C. Section 1001 and title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious fraudulent statements or representations as to any matter within its jurisdiction.