

UNITED STATES N.M. DIV-Dist. 2
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
5301 W. Grand Avenue
Artesia, NM 88210

FORM APPROVED
Budget Bureau No. 1004-0137
Expires: December 31, 1991

SUBMIT ORIGINAL WITH 5 COPIES

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. Type of Well: OIL ☒ WELL GAS ☐ WELL DRY ☐ OTHER ☐				5. Lease Designation and Serial No. NM 29233	
1b. Type of Completion: NEW ☒ WELL WORK ☐ OVER DEEPE ☐ N PLUG ☐ BACK DIFF. ☐ RESVR. OTHER ☐				6. If Indian, Alottee or Tribe Name N/A	
2. Name of Operator CHEVRON USA INC				7. If Unit or CA, Agreement Designation 29746	
3. Address and Telephone No. 15 SMITH ROAD, MIDLAND, TX 79705				8. Well Name and Number NEFF 13 FEDERAL	
4. Location of Well (Report location clearly and in accordance with any State requirements.) At Surface Unit Letter A : 740' Feet From The NORTH Line and 990' Feet From The EAST Line At proposed prod. zone				9. API Well No. 30-015-32761	
At Total Depth				10. Field and Pool, Exploatory Area LIVINGSTON RIDGE DELAWARE	
14. Permit No.				12. County or Parish EDDY	
Date Issued				13. State NM	
15. Date Spudded 5/16/2003		16. Date T.D. Reached 6/4/2003		18. Elevations (Show whether DF, RT, GR, etc.)	
17. Date Compl. (Ready to Prod.) 6/17/2003		19. Elev. Casinhead			
20. Total Depth, MD & TVD 8600'		21. Plug Back T.D., MD & TVD 8530'		23. Intervals Rotary Tools Drilled By ->	
24. Producing Interval(s), Of This Completion - Top, Bottom, Name (MD and TVD)* 6906-7149 CHERRY CANYON, 8182-8409 BRSH CANYON				25. Was Directional Survey Made YES	
26. Type Electric and Other Logs Run PLATFORM EXPRESS,ALT,NGT,MSCT,GR				27. Was Well Cored YES	

28. CASING RECORD (Report all Strings set in well)					
CASING SIZE & GRADE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENT RECORD	AMOUNT PULLED
13 3/8"	48#	795'	17 1/2"	950 SX	
8 5/8"	32#	4465'	11"	1420 SX	
5 1/2"	17#,15.5#	8600'	7 7/8"	575 SX	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8"	8557'	
31. Perforation record (interval, size, and number) 8182-8409' CONTINUED ON NEXT PAGE				32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL 8320-8409 8182-8290 AMOUNT AND KIND MATERIAL USED ACIDIZE W/2300 GALS 7 1/2% NEFE HCL FRAC W/21,900 GALS YF130ST & SAND ACIDIZE W/3000 GALS NEFE HCL FRAC W/21,900 GALS YF130ST & SAND			

33. PRODUCTION							
Date First Production 7/28/2003		Production Method (Flowing, gas lift, pumping - size and type pump) PUMPING - SUB PUMP				Well Status (Prod. or Shut-in) PROD	
Date of Test 8-02-03	Hours tested 24 HRS	Choke Size	Prod'n For Test Period	Oil - Bbl. 69	Gas - MCF 110	Water - Bbl. 765	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API -(Corr.)	
34. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD						Test Witnessed By	

35. List of Attachments DIRECTIONAL SURVEY	
36. I hereby certify that the foregoing is true and correct	
SIGNATURE <i>Denise Leake</i>	TITLE Regulatory Specialist
DATE 8/5/2003	
TYPE OR PRINT NAME Denise Leake	

ACID & FRAC INFORMATION (cont from previous page)

7128-7141'	ACIDIZE W/1300 GALS 7 ½% NEFE HCL FRAC W/7200 GALS YF130ST & SAND
7041-7075'	ACIDIZE W/2100 GALS 7 ½% NEFE HCL FRAC W/16,000 GALS YF130ST & SAND
6970-6720	SPOT 250 GALS 7 ½% NEFE HCL
6906-6956'	ACIDIZE W/2500 GALS 7 1/2% NEFE HCL FRAC W/16,000 GALS YF130ST & SAND
	TAG CIBP @ 8310' - PUH TO 6815' DO CIBP @ 8310. FELL FREE.
7850-7852'	ACIDIZE W/400 GALS 7 ½% NEFE HCL
7735-7752'	ACIDIZE W/1200 GALS 7 ½% NEFE HCL
7193-7196'	ACIDIZE W/150 GALS 7 ½% NEFE HCL
6747-6751'	ACIDIZE W/400 GALS 7 ½% NEFE HCL
6661-6751'	ACIDIZE W/1400 GALS 7 ½% NEFE HCL

Neff 13 Federal #16

37. SUMMARY OF POROUS ZONES: (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):

38.

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
RUSTLER	820	1140'				
SALADO	1141'	4504'				
BELL CANYON	4505'	7101'				
BRUSHY CANYON	7102'	8451'				
BONE SPRING	8452'	TD				

Neff 13 Federal #16

LEASE & WELL

Sec 13 Township 22 South Range 31 Eas Eddy County, New Mexico
(Give Unit, Section, Township and Range)

OPERATOR

Chevron/Texaco P. O. Box 3109 Midland, Texas 9702

DRILLING CONTRACTOR

NABORS DRILLING USA, LP

The Undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

DEGREES @ DEPTH		DEGREES @ DEPTH		DEGREES @ DEPTH		DEGREES @ DEPTH	
1/2	284	4 3/4	3995	2	8260		
1	558	4	4089	1 1/2	8970		
1	754	3 3/4	4217				
3/4	1094	3	4309				
1/2	1472	3	4431				
1/4	1880	1	4960				
3/4	2167	3/4	5247				
3/4	2491	3/4	5567				
1/4	2733	1/2	5884				
3/4	3082	1/4	6170				
1/2	3365	3/4	6519				
2 3/4	3650	3/4	6832				
5	3774	3/4	7142				
5	3804	1	7425				
5	3909	1	7821				



Drilling Contractor

Nabors Drilling USA, LP.

By

Don Nelson

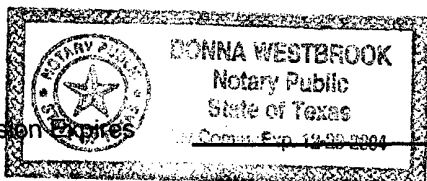
Don Nelson-District Drilling Superintendent

Subscribed and sworn to before me this 21

day of July, 2003

Donna Westbrook

Notary Public



My Commission Expires

MIDLAND

County

TEXAS

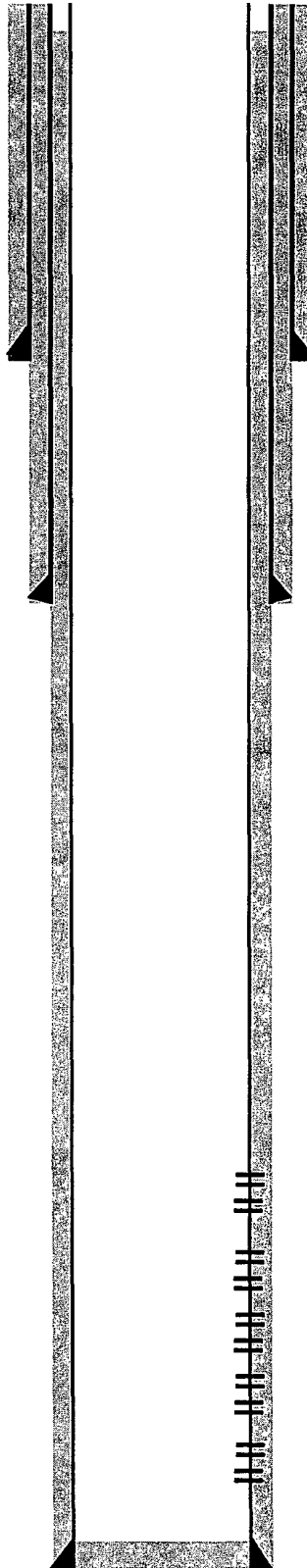
Well: **Neff 13 Federal # 16****LIVINGSTON RIDGE**

Reservoir:

Location:	740' FNL
	990' FEL
Section:	13
Township:	22S
Range:	31E
County:	EDDY, NM

Elevations:	
GL:	3603'
DF:	3620'
KB:	3621'

Current
Wellbore Diagram



Well ID Info:	
Refno:	
API No:	30-015-32761
L5/L6:	
Spud Date:	
Compl. Date:	

Surf. Csg: 13 3/8"
48#
H-40
Set: @ 795'
With: 950 sxs
Hole Size: 17 1/2"
Circ: yes
TOC @ surf

Int. Csg: 8 5/8"
32#
K-55
Set: @ 4465'
With: 1420 sxs
Hole Size: 11"
Circ: yes
TOC @ surf

PERF'S
6661' TO 6751'
6800' TO 6815'
6906' TO 6956'
7041' TO 7075'
7128' TO 7149'
7193' TO 7196'
7739' TO 7852'
8182' TO 8290'
8320' TO 8409'

Prod. Csg: 5-1/2"
15.5/17#
J-55
Set @ 8,600 '
With: 1625 sxs
Hole Size: 7 7/8"
Circ: no
TOC @ 98'

COTD:
PBTD: 8,530 '
TD: 8,600 '

Updated: 13-Jun-03
By: K. KORNEGAY

Tbg Detail:

KB	17
260 JTS 2-7/8" TUBING	8086.1
EOT	8103.1