

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:				OIL WELL ☒	GAS WELL ☐	DRY ☐	Other <u>RECEIVED</u>		
b. TYPE OF COMPLETION:				NEW WELL ☒	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐	DIFF. RESVR. ☐	Other <u>RECEIVED</u>
2. NAME OF OPERATOR Pogo Producing Co.									
3. ADDRESS OF OPERATOR P.O. Box 10340, Midland, TX 79702									
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1650' FNL, 330' FWL, Section 25, T-22-S, R-31-E At top prod. interval reported below Same At total depth Same									
14. PERMIT NO.				DATE ISSUED 02-06-91					
15. DATE SPUDDED 10-07-91				16. DATE T.D. REACHED 10-21-91		17. DATE COMPL. (Ready to prod.) 11-02-91		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3531 GR	
19. ELEV. CASINGHEAD 3530		20. TOTAL DEPTH, MD & TVD 8440		21. PLUG, BACK T.D., MD & TVD 8339 cmt		22. IF MULTIPLE COMPL. HOW MANY*		23. INTERVALS DRILLED BY ROTARY TOOLS 0-8440	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 8054-8108 - Delaware "Brushy Canyon" - TVD & MD		25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN DIL - CN/LD - CBL		27. WAS WELL CORED			
28. CASING RECORD (Report all strings set in well)									
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD	
13 3/8		54.5		814		17 1/2"		1000 sks - circ 520 sks	
8 5/8		24# & 32#		4340		11"		1675 sks - circ 259 sks	
5 1/2		15.5# & 17#		8440		7 7/8"		1st stg 710 sks-circ 153 sks-stg tool 2nd stg 675 sks-TOC 3620	
29. LINER RECORD									
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)	
30. TUBING RECORD									
SIZE		DEPTH SET (MD)		PACKER SET (MD)					
2 7/8		8145		None					
31. PERFORATION RECORD (Interval, size and number) 8054-8108 - .41" Diameter - 108 holes									
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.									
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED							
8054-8108		1500 gals 15% HCL NEFE acid							
8054-8108		Fracture-35,000 gal Pad-propped w/ 85,000# 20/40 Ottawa Sd.							
33. PRODUCTION									
DATE FIRST PRODUCTION 11-5-91		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping 2 1/2"X1 1/2"X26'-5' RHB C-HVR						WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 11-12-91		HOURS TESTED 24		CHOKE SIZE N/A		PROD N. FOR TEST PERIOD 33		GAS—MCF. 30	
FLOW, TUBING PRESS. Pumped		CASING PRESSURE 35		CALCULATED 24-HOUR RATE 33		GAS—MCF. 30		WATER—BBL. 300	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold - 30 mcf		OIL GRAVITY-API (CORR.) 43.5°		TEST WITNESSED BY Stan Morgan					
35. LIST OF ATTACHMENTS Deviation surveys - logs - C-104									
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records									
SIGNED <u>Richard L. Wright</u>		TITLE <u>Div. Operations Suprv.</u>				DATE <u>11-15-91</u>			

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Seals Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

22. SUMMARY OF PRODUCE ZONES		24. SEALS CEMENT		29. SEALS CEMENT		33. SEALS CEMENT		35. ATTACHMENTS	
FORMER		TOP		BOTTOM		TOP		BOTTOM	
FORMATION		TOP		BOTTOM		TOP		BOTTOM	
DESCRIPTION, CONTENTS, ETC.		NAME		MEAS. DEPTH		TRUE VERT. DEPTH			
	Basal Anhydrite		4185 Log						
	Delaware Lime		4458 Log						
	Bell Canyon		4511 Log						
	Cherry Canyon		5350 Log						
	Brushy Canyon		6583 Log						
	Bone Springs		8339 Log						

WELL NAME & NUMBER Neff Federal #2

LOCATION Sec. 25, T22S, R31E Eddy Co., NM
(Give Unit, Section, Township and Range)

OPERATOR Pogo Producing P.O. Box 10340 Midland, TX 79702

DRILLING CONTRACTOR Grace Drilling Company P.O. Box 13480 Odessa, TX 79768

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:

<u>DEGREES @ DEPTH</u>	<u>DEGREES @ DEPTH</u>	<u>DEGREES @ DEPTH</u>	<u>DEGREES @ DEPTH</u>
<u>1.00 417</u>	<u>.75 5816</u>	<u> </u>	<u> </u>
<u>1.75 814</u>	<u>.50 6324</u>	<u> </u>	<u> </u>
<u>1.00 1305</u>	<u>.25 6826</u>	<u> </u>	<u> </u>
<u>.75 1817</u>	<u>.75 7331</u>	<u> </u>	<u> </u>
<u>1.00 2350</u>	<u>1.25 7832</u>	<u> </u>	<u> </u>
<u>.75 2823</u>	<u>1.50 8334</u>	<u> </u>	<u> </u>
<u>1.00 3325</u>	<u>1.25 8440</u>	<u> </u>	<u> </u>
<u>3.00 3650</u>	<u> </u>	<u> </u>	<u> </u>
<u>3.50 3790</u>	<u> </u>	<u> </u>	<u> </u>
<u>225 3899</u>	<u> </u>	<u> </u>	<u> </u>
<u>2.00 4080</u>	<u> </u>	<u> </u>	<u> </u>
<u>3.00 4175</u>	<u> </u>	<u> </u>	<u> </u>
<u>1.50 4340</u>	<u> </u>	<u> </u>	<u> </u>
<u>1.00 4845</u>	<u> </u>	<u> </u>	<u> </u>
<u>±.00 5316</u>	<u> </u>	<u> </u>	<u> </u>

Drilling Contractor Grace Drilling Company

By L. V. Bohannon

L. V. Bohannon - Drlg. Supt.

Subscribed and sworn to before me this 24th day of October, 19 91

Debra Wadle
Notary Public

My Commission Expires 10-1-94

Ector County Texas

OFFICIAL SEAL
DEBRA WADLE
NOTARY PUBLIC
FOR THE STATE OF TEXAS
My Comm Expires 10-01-94