

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

58210 SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.1.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____				6. LEASE DESIGNATION AND SERIAL NO. LC-028793-C	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Phillips Petroleum Company				7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR Room 401, 4001 Penbrook St., Odessa, Texas				8. FARM OR LEASE NAME Burch-C Fed	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface Unit 1, 2080' FSL & 760' FEL At top prod. interval reported below Same At total depth Same				9. WELL NO. 46	
14. PERMIT NO. 30-015-25712				12. COUNTY OR PARISH Eddy	
DATE ISSUED 12-31-86				13. STATE NM	
15. DATE SPUDDED 4/11/87		16. DATE T.D. REACHED 4/19/87		18. ELEVATIONS (DF, REB, RT, GR, ETC.)* GL 3588'	
17. DATE COMPL. (Ready to prod.) 6/12/87		19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 3500'	
21. PLUG, BACK T.D., MD & TVD 3427'		22. IF MULTIPLE COMPL., HOW MANY* --		23. INTERVALS DRILLED BY --	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Grayburg San Andres 2719'-3418'				25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN DLL-MSFL-GR-Cal, CNL-LDT-GR-Cal				27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)					
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)	
8-5/8"		24#		370'	
5-1/2"		17#		3500'	
HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
12-1/4"		350 sk Class "C" - did not circ.- poured 4 1/2 yds ready mix csg. & filled to surface		around surface	
7-7/8"		1300 sk "C"		Circ. 80 sk	
29. LINER RECORD				30. TUBING RECORD	
SIZE		TOP (MD)		SIZE	
-0-		-		2-3/8"	
BOTTOM (MD)		SACKS CEMENT*		DEPTH SET (MD)	
-		-		2392'	
SCREEN (MD)		PACKER SET (MD)		-	
-		-		-	
31. PERFORATION RECORD (Interval, size and number) Perforated 5-1/2" csg. w/4" csg. gun 2719'-3418' - 2 shots per foot. (Net 65', 130 shots)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
2719-3418		7100 gal. 15% NeFe HCl acid			
		78000 gal. of gelled, cross-linked 2% KCl wtr. & 150,000#			
		20/40 mesh sand			
33. PRODUCTION					
DATE FIRST PRODUCTION 6/12/87		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping 2x1 1/2 x 16' barrel pump			WELL STATUS (Producing or shut-in) producing
DATE OF TEST 6/23/87		HOURS TESTED 24		CHOKE SIZE -	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE	
OIL—BBL.		GAS—MCF.		WATER—BBL.	
59.7		99		19	
OIL GRAVITY-API (CORR.)		36.2°			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold				TEST WITNESSED BY Lendell Hawkins	
35. LIST OF ATTACHMENTS Logs furnished direct by logging company CARLSBAD, NEW MEXICO					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED <u>Ralph J. Roper</u>		R. J. Roper		TITLE Eng. Supervisor, Reservoir	
				DATE 7/1/87	

*(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.), formations 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: "Sacks 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.)

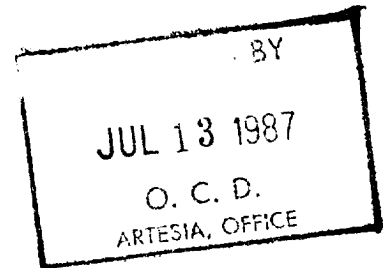
37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Redbed	0	495		Tansill	1032	
Salt, Anhyd.	495	1032		Yates	1192	
Dolo, anhyd.	1032	2549		Seven Rivers	1533	
Dolomite & Sand	2549	3037		Queen	2204	
				Penrose	2473	
Dolomite & Lime	3037	3500		Grayburg	2549	
				Loco Hills	2737	
				Metex	2878	
				Premier	2996	
				San Andres	3037	
				Lovington Sand	3168	

L & M DRILLING, INC. — Oil Well Drilling Contractors

P. O. BOX 622 / ARTESIA, NEW MEXICO 88210
470

April 27, 1987

Phillips Petroleum
4001 Penbrook
Odessa, TX 79762



Re: Burch C Federal #46
2080' FSL & 760' FEL
Sec. 30, T17S, R30E
Eddy County, New Mexico

Gentlemen:

The following is a Deviation Survey for the above captioned well.

DEPTH	DEVIATION
375'	1/4°
605'	1/2°
818'	1/2°
1130'	1°
1207'	1°
1727'	1/4°
2193'	1/4°
2597'	1/2°
2792'	1°
3218'	1°
3500'	1°

Very truly yours,

B. N. Muncy Jr.
President

STATE OF NEW MEXICO §
COUNTY OF EDDY §

The foregoing was acknowledged before me this 27th day of April, 1987.

NOTARY PUBLIC

