

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-106
Revised 1-1-89

WELL API NO. 30-025-30617
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. B-2317
7. Lease Name or Unit Agreement Name M. E. Hale
8. Well No. 23
9. Pool name or Wildcat Vacuum Grayburg/San Andres

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐		7. Lease Name or Unit Agreement Name M. E. Hale	
b. Type of Completion: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER ☐			
2. Name of Operator Phillips Petroleum Company		8. Well No. 23	
3. Address of Operator 4001 Penbrook Street, Odessa, Texas 79762		9. Pool name or Wildcat Vacuum Grayburg/San Andres	
4. Well Location Unit Letter <u>P</u> : <u>620</u> Feet From The <u>south</u> Line and <u>1250</u> Feet From The <u>east</u> Line Section <u>35</u> Township <u>17-S</u> Range <u>34-E</u> NMPM Lea County			
10. Date Spudded 6-19-89	11. Date T.D. Reached 7-02-89	12. Date Compl. (Ready to Prod.) perf'd 9-05-89	13. Elevations (DF& RKB, RT, GR, etc.) 4011.4'GR, 4019.5RKB
14. Elev. Casinghead --			
15. Total Depth 4800'	16. Plug Back T.D. 4640'	17. If Multiple Compl. How Many Zones? --	18. Intervals Drilled By Rotary Tools 0-4800 Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name 4390'- 4566' Grayburg/San Andres			20. Was Directional Survey Made No
21. Type Electric and Other Logs Run DLL-MSFL-GR/Cal; CNL-LDT-GR/Cal; CNL-GR/Cal			22. Was Well Cored No

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.5# J-55	1567'	17-12/8"	1500 sx "C", 2% CaCl	Circ 600 sx
5-1/2"	14# J-55	4800'	7-7/8"	1600 sx "C" 35/65 Poz	
				+ 400 sx "C" Neat.	
				Circ 382 sx	

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-7/8"	SN @ 4616'	

26. Perforation record (interval, size, and number) Perf'd 5-1/2" csg w/4" OD csg gun 4 SPF on spiral phasing from: 4390'-4396'; 4403'-4408'; 4414'-4421'; 4432'-4437'; 4509'-4514'; 4560'-4566'	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	4389-4632'	10,500 gals 15% NEFE HCL
	4389-4632'	Sqzd w/120 sx Premium Plus
	4560-4593'	Sqzd w/100 sx Premium Plus

28. PRODUCTION		4390-4566'		1200 gals 15% NEFE HCL			
Date First Production 10-05-89	Production Method (Flowing, gas lift, pumping - Size and type pump) 2 1/2" x 1 1/2" x 24' pump			Well Status (Prod. or Shut-in) producing			
Date of Test 10-07-89	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl. 11	Gas - MCF .8	Water - Bbl. 126	Gas - Oil Ratio 70
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.) 38	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold	Test Witnessed By D. G. Williamson
--	---------------------------------------

30. List Attachments Logs furnished direct by logging company
--

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature <u>Arlene Pochan</u>	Printed Name <u>L. M. Sanders</u>	Title <u>Reg. & Pro. Supv</u>	Date <u>10-23-89</u>
--------------------------------	-----------------------------------	-----------------------------------	----------------------

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

T. Anhy. Rustler 1516
T. Salt _____
B. Salt _____
T. Yates 2803
T. 7 Rivers 3150
T. Queen 3721
T. Grayburg 4062
T. San Andres 4388
T. Glorieta Lovington 4520
T. Paddock _____
T. Blinbry _____
T. Tubb _____
T. Drinkard _____
T. Abo _____
T. Wolfcamp _____
T. Penn _____
T. Cisco (Bough C) _____

T. Canyon _____
T. Strawn _____
T. Atoka _____
T. Miss _____
T. Devonian _____
T. Silurian _____
T. Montoya _____
T. Simpson _____
T. McKee _____
T. Ellenburger _____
T. Gr. Wash _____
T. Delaware Sand _____
T. Bone Springs _____
T. _____
T. _____
T. _____

Northwestern New Mexico

T. Ojo Alamo _____
T. Kirtland-Fruitland _____
T. Pictured Cliffs _____
T. Cliff House _____
T. Menefee _____
T. Point Lookout _____
T. Mancos _____
T. Gallup _____
Base Greenhorn _____
T. Dakota _____
T. Morrison _____
T. Todilto _____
T. Entrada _____
T. Wingate _____
T. Chinle _____
T. Permian _____
T. Penn "A" _____

T. Penn. "B" _____
T. Penn. "C" _____
T. Penn. "D" _____
T. Leadville _____
T. Madison _____
T. Elbert _____
T. McCracken _____
T. Ignacio Otzte _____
T. Granite _____
T. _____
T. _____
T. _____
T. _____
T. _____
T. _____
T. _____
T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____
No. 2, from _____ to _____
No. 3, from _____ to _____
No. 4, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet
No. 2, from _____ to _____ feet
No. 3, from _____ to _____ feet

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
0	343	343	Surface				
343	1200	857	Red Bed, Anhydrite				
1200	1580	380	Anhydrite				
1580	2724	1144	Anhydrite, salt				
2724	3871	1147	Anhydrite				
3871	4008	137	Anhydrite, Dolomite				
4008	4800	792	Dolomite				
	TD						