

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

API No. 30-015-23696

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SANTA FE	1
FILE	1
U.S.G.S.	2
LAND OFFICE	1
OPERATOR	

5a. Indicate Type of Lease
State ☒ Fee ☐

5. State Oil & Gas Lease No.
L-5364

7. Unit Agreement Name

8. Farm or Lease Name
Malaga - C

9. Well No.
1

10. Field and Pool, or Wildcat
South Culebra Bluff
Atoka Gas

1. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐ NOV 19 1981

2. TYPE OF COMPLETION
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

3. Name of Operator
Phillips Petroleum Company /

4. Address of Operator
Rm. 401, 4001 Penbrook Street, Odessa, TX 79762

5. Location of Well

UNIT LETTER E LOCATED 1980 FEET FROM THE North LINE AND 660 FEET FROM West LINE OF SEC. 36 TWP. 23-S RGE. 28-E NMPM

12. County
Eddy

13. Date Spudded
3-28-81

16. Date T.D. Reached
9-7-81

17. Date Compl. (Ready to Prod.)
10-27-81

18. Elevations (DF, RKB, RT, GN, etc.)
2990 Gr, 3013 KB

19. Elev. Casinghead

20. Total Depth
13,472'

21. Plug Back T.D.
13,472'

22. If Multiple Compl., How Many
NA

23. Intervals Drilled By
Rotary Tools XX Cable Tools XX

24. Producing Interval(s), of this completion - Top, Bottom, Name
Atoka, Top--11,737, Bottom--11,890

25. Was Directional Survey Made
NO

26. Type Electric and Other Logs Run
Schlumberger: DLL-Rxo-GR-Caliper, FDC-CNL-GR-Caliper, C&L-GR, GR-CCL-CB-DDL

27. Was Well Cored
NO

28. (continued on attachment) CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
18-5/8"	87.5#, K-55	450'	24"	850 sxs C1 "C" w/2% CaCl ₂	
		(1/2# Flocele/sx. Circ 20 sxs to surface)			
13-3/8"	61#, K-55	2700'	17 1/2"	2000 sxs TLW w/10% DD, 10% salt,	
		(1/2# Flocele; followed w/300 sxs C1 "C" w/2% CaCl ₂ . Circ 420 sxs to surface)			

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-7/8"	11,687	11,655

31. Perforation Record (Interval, size and number)
11781'-11823'
Perfd w/2 1/2" O.D. Hyperdome gun 13'--26 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
11781'-11789' & 11818'-11813'	200 gals 7 1/2% MSR-100 w/500 SCT nitrogen/bbl 17 BS. Flshd w/5 bbls 2% KCl wtr & 500 SCT Nitrogen/bbl

33. Note: See Form C-122 & support data PRODUCTION Attached

34. First Production
10-27-81

35. Production Method (Flowing, gas lift, pumping - Size and type pump)
Flowing

36. Well Status (Prod. or Shut-in)
Producing

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas-Oil Ratio
10-30-81	1	10/64		--	1370	--	--

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)
1940	packer		--	1072	--	--

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

Test Witnessed By
El Paso Natural Gas Co.

35. List of Attachments
Logs furnished direct by Schlumberger.

36. 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.

SIGNED W. J. Mueller TITLE Sr. Engineering Specialist DATE 11-12-81

INSTRUCTIONS

This form is to be filled with the appropriate Field Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by a copy of all electrical and radioactivity 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, from 20 through 34 shall be reported for each zone. The form is to be filled in quadruplicate except on state land, where six copies are required. Use Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico				Northwestern New Mexico			
Canyon Cherry 3553'							
Rustler 470'	T. Canyon	Brushy 4904'	T. Ojo Alamo	T. Penn. "B"			
Castile 1042'	T. Strawn	11,485'	T. Kirtland Fruitland	T. Penn. "C"			
B. Salt	T. Atoka	11,737'	T. Pictured Cliffs	T. Penn. "D"			
T. Yates	Ivanovia	11,890'	T. Cliff House	T. Leadville			
T. 7 Rivers	Morrow LS	12,270'	T. Menefee	T. Madison			
T. Queen	Morrow Sand	12,480'	T. Point Lookout	T. Elbert			
T. Grayburg	L. Morrow Sand	12,926'	T. Mancos	T. McCracken			
T. San Andres	Barnett	13,110'	T. Gallup	T. Ignacio Quartz			
T. Gladiolus	T. McKee		Base Greenhorn	T. Granite			
T. Paddock	T. Ellenburger		T. Dakota	T.			
T. Elkhart	T. Gr. Wash		T. Morrison	T.			
T. Tubb	T. Delaware Lime 2655'		T. Todilte	T.			
T. Drinkard	T. Delaware Sand	2710'	T. Entrada	T.			
T. Abe	T. Bone Springs	6350'	T. Wingate	T.			
T. Wolfcamp 9552'	T. / (1st Sand)	7350'	T. Chinle	T.			
T. Penn	T. / (3rd Sand)	9256'	T. Permian	T.			
T. Cisco (Plugh C)	T.		T. Penn. "A"	T.			

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....	No. 4, from.....to.....
No. 2, from.....to.....	No. 5, from.....to.....
No. 3, from.....to.....	No. 6, 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.....
No. 4, from.....to.....	feet.....

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	178	178	Surface	2506	2554	48	Anhy
178	439	261	Redbed	2554	2672	118	Lime
439	450	11	Surface	2672	2700	28	Anhy
450	714	264	Salt & Anhy	2700	2850	50	Lime & Anhy
714	898	184	Salt	2850	4924	2074	Lime & Sand
898	1052	154	Anhy & Salt	4924	6664	1740	Lime & Dolo
1052	1290	238	Anhy & Lime	6664	6900	236	Dolo & Sand
1290	1510	220	Anhy & Salt	6900	7160	260	Shale & Lime
1510	1594	84	Anhy & Lime	7160	7880	720	Lime & Shale
1594	1875	281	Anhy	7880	7989	109	Lime
1875	2038	163	Anhy & Salt	7989	8135	146	Shale
2038	2120	82	Anhy & Lime	8135	8296	161	Shale & Dolomite
2120	2474	354	Anhy & Salt	8296	8462	166	Shale
2474	2506	32	Lime	8462	8760	298	Shale & Dolomite
				8760	9012	252	Shale
				9012	9439	427	Sand & Shale