

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>P&A</u>		
b. TYPE OF COMPLETION:		NEW WELL ☐	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐	DIFF. RESVR. ☐	Other <u> </u>
2. NAME OF OPERATOR						7. UNIT AGREEMENT NAME	
<u>American Gasstar Petroleum Co., of New Mexico</u>						<u>VACA DRAW</u>	
3. ADDRESS OF OPERATOR						8. FARM OR LEASE NAME	
<u>604 Vaughn Bldg., Midland, Texas 79701</u>						<u>VACA DRAW UNIT</u>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*						9. WELL NO.	
At surface <u>640' FSL & 640' REL of Sec. 21, T-23-S, R-33-E</u>						10. FIELD AND POOL, OR WILDCAT	
At top prod. interval reported below. <u>Not Surveyed</u>						<u>Undesignated</u>	
At total depth <u>Not Surveyed</u>						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA	
						<u>Sec. 21, T-23-S, R-33-E</u>	
14. PERMIT NO.			DATE ISSUED			12. COUNTY OR PARISH	13. STATE
						<u>Loa</u>	<u>N.M.</u>
15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Report to State)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*		19. ELEV. CASINGHEAD		
<u>10/2/71</u>	<u>3/8/73</u>	<u>11/13/72</u>	<u>3292 MD</u>		<u>3366 The Head</u>		
20. TOTAL DEPTH, MD & TVD	21. PLUG BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*		
<u>17,609</u>	<u>14,770</u>		<u>NOTED</u>		<u>11,419 - 13,985 Not commercial</u>		
26. TYPE ELECTRIC AND OTHER LOGS RUN						27. WAS DIRECTIONAL SURVEY MADE	
<u>Schlumberger</u>						<u>NO</u>	
28. CASING RECORD (Report all strings set in well)						29. WAS WELL CORED	
<u>GORDON</u>						<u>NO</u>	
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED		
<u>30"</u>	<u>Conductor</u>	<u>30' below Gr.</u>	<u>36"</u>	<u>Ready-mix concrete</u>	<u>0</u>		
<u>28"</u>	<u>94.0</u>	<u>920</u>	<u>28"</u>	<u>1950 ex - circ.</u>	<u>0</u>		
<u>13 3/8"</u>	<u>61.0 & 68.0</u>	<u>4986</u>	<u>17 1/2"</u>	<u>3280 ex - circ.</u>	<u>0</u>		
<u>10 3/4"</u>	<u>51.0, 55.0, 60.7</u>	<u>13,006</u>	<u>12 1/4"</u>	<u>3175 ex - circ.</u>	<u>0</u>		
LINER RECORD				TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
<u>7 3/4"</u>	<u>12,715</u>	<u>17,055</u>	<u>1900</u>	<u>none</u>	<u>2 7/8"</u>	<u>13,210</u>	<u>13,210</u>
<u>5"</u>	<u>16,782</u>	<u>17,609</u>	<u>100</u>	<u>none</u>			
PERFORATION RECORD (Interval, size and number)		ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED						
<u>11,419-13,985</u>	<u>3000 gals. 24% Acid</u>						
33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
						<u>P&A</u>	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	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.)	TEST WITNESSED BY						
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <u>Jed Collins</u>	TITLE <u>President</u>	DATE <u>3/7/73</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: "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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Devonian	17,055	17,516	PSIP 41: Tool opened w/ weak blow of air - took 15 min. Initial flow CI tool & took 90 min. ISIP - open tool w/ very weak flow of air, inch to fair blow air throughout 3 hr. final flow period - CI tool & took 2 hrs., 35 min. PSIP - rec. 2686' (17.5 bbls.) wtr. w/ chl. 17,568 ppm @ top, later. to 21,960 ppm @ bottom - HST 208° F. - IHP 6658 psi - IFF (1st flow) (closed) 370 psi - RFF (1st flow) (closed) 425 psi - ISIP 4488 psi in 90 min. IFF (2nd flow) (closed) 567 psi - RFF (2nd flow) (closed) 1015 psi - PSIP 1968 in 2 hrs., 35 min. - RHP 6703 psi.	Elevation Top Rustler Ashy. Top Salt Top Delaware Lima Top Delaware sand Top Bone Springs Lime Top Wolfcamp Top Strawn Top Atoka Top Morrow Top Barnett Top Miss. Lm. Top Woodford Top Siluro Devonian Total Depth	3392' 1905' 2210' 4955' 4977' 9324' 12,130' 14,100' 14,144' 15,290' 15,632' 16,942' 17,272' 17,496' 17,609'	