

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.

5. LEASE DESIGNATION AND SERIAL NO.

57-078828-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Callegos Canyon Unit

8. FARM OR LEASE NAME

9. WELL NO.

231

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

11. SEC. T. R. M. OR BLOCK AND SURVEY

SURF. AREA

N. M.

NE 1/4 NE 1/4 SEC. 27**T-28-N R-12-W**12. COUNTY OR
PARISH**San Juan**

13. STATE

New Mexico

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

Pan American Petroleum Corporation

3. ADDRESS OF OPERATOR

Security Life Building - Denver, Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface: **790 WIL and 1430 FEL**

At top prod. interval reported below

At total depth **Same**

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

2-25-66

16. DATE T.D. REACHED

3-8-66

17. DATE COMPL. (Ready to prod.)

4-7-66

18. ELEVATIONS (DF, REB, RT, GR, ETC.)*

MD 5747

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

6205

21. PLUG BACK T.D., MD & TVD

619522. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY

ROTARY TOOLS

**Surface
to 6205**

CABLE TOOLS

-

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

6169-6179, 6095-6115, 6043-6051, 6023-6030 Dakota25. WAS DIRECTIONAL
SURVEY MADE**No**

26. TYPE ELECTRIC AND OTHER LOGS RUN

Gamma Ray Neutron - Induction Electric, Gamma Ray Sonic

27. WAS WELL CORED

No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	366	12 1/4"	225 sacks	None
4 1/2"	10.5#	6205	7 7/8"	500 sacks 1st stage	None
				550 sacks 2nd stage	
				400 sacks 3rd stage	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
				2 3/8	6041	

31. PERFORATION RECORD (Interval, size and number)

6169-6179 4 shots per foot**6095-6115 4 shots per foot****6043-6051, 6023-6030 4 shots per foot**RECEIVED
MAY 11 1966
OIL CON. COM
DIST. 3

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6169-6179	500 gallons 7 1/2% acid
6095-6115	41,580 gallons water, 30,000 sand
6023-6031	43,890 gallons water, 40,000 sand
	43,350 gallons water, 30,000 sand

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
4-7-66		Flow				Shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
4-20-66	3 hr.	3/4"	→		908		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
577	1203	→		7262			

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

To be sold to El Paso Natural Gas Co.

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

SIGNER:

D. I. Tollefson

TITLE

Administrative Assis.

DATE

4-21-66

*(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 83, 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.

17: 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.
 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 intervals, 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: Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

FORMATION		TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
No Core								
No DST								
				CALLEGOS CANYON UNIT NO. 231 Well was spudded 2-25-66 and drilled to a depth of 366' where 8 5/8" casing was set with 225 sacks Class "A" cement containing 27 Caci. Well drilled to a total depth of 6205' and 4 1/2" casing was set at that depth with stage tools set at 4348' and 1681'. Cemented first stage with 400 sacks Class "C" cement containing 62 Gel and 2 lbs. Tuf Plug per sack and 100 sacks "C" Neat cement. Cemented second stage with 500 sacks "C" cement containing 62 Gel and 2 lbs. Tuf Plug per sack and 50 sacks "C" Neat cement. Cemented third stage with 350 sacks "C" cement containing 62 Gel and 2 lbs. Tuf Plug per sack and 50 sacks "C" Neat cement. Ran tubing and bit and circulated hole clean. Displaced hole with water containing 52 Potassium Chloride and 2 1/2 lbs. FR-2 per 1,000 gallons water. Spot 500 gallons 7 1/2% acid. Perforated fracture with 41,500 gallons water. Spot 500 gallons treated as above and 30,000 lbs. 20-40 sand. Perforated 6095-6115 with 4 shots per foot. Fracked with 43,890 gallons water treated as above and 30,000 lbs. 20-40 sand and 10,000 lbs. 10-20 sand. Breakdown pressure 3150, treat pressure 3400, average injection rate 55 BPM. Perforated 6043-6051 and 6023-30 with 4 shots per foot.	LOS TOPS Pictured Cliffs 1515 Lewis Shale 1745 Mesaverde 3080 Manco 4250 Gallup 5135 Base Gallup 5642 Greenhorn 5925 Greaseros Shale 5989 Greaseros Dakota 6022 Main Dakota 6091			

(No. 37 - Summary - Continued)