

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved,
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

SF 079346

6. IF INDIAN, ALLOTTED OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Callegos Canyon Unit

9. WELL NO.

191

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

Sec. 32, T28N, R12W

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. RESRV. ☐ Other _____

2. NAME OF OPERATOR

Pan American Petroleum Corporation

3. ADDRESS OF OPERATOR

Security Life Building, Denver, Colorado 80202

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

At surface **840 FSL, 840 FEL, Section 32 SE, SE**

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE SPURRED

12-1-65

16. DATE T.D. REACHED

12-11-66

17. DATE COMPL. (Ready to prod.)

1-6-66

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

5688 RDB, 5676 GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

6030

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

5999

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

Surface-6030

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

5868-84, 5916-38 Dakota

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

IES, GRS

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"	250 sacks	None
4 1/2"	10.5#	6028	7 7/8"	500 sacks - 1st stage	None
				1000 sacks - 2nd stage	
				stage tool set at 4061	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	5885	

31. PERFORATION RECORD (Interval, size and number)

5868-84, 5916-38 with 4 shots/ft.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5916-38	500 gal # 1/2% acid,
	40,000 lbs. sand

33.* PRODUCTION

DATE FIRST PRODUCTION

1-6-66**Flowing**

DATE OF TEST

1-13-66

HOURS TESTED

3

CHOKE SIZE

3/4

PROD'N. FOR TEST PERIOD

OIL—BBL.

GAS—MCF.

575

FLOW. TUBING PRESS.

372

CASING PRESSURE

939

CALCULATED 24-HOUR RATE

OIL—BBL.

GAS—MCF.

4603

WATER—BBL.

GAS-OIL RATIO

1966

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

TEST WITNESSED BY

To be sold to El Paso Natural Gas Company

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

ORIGINAL SIGNED BY

SIGNED

D. I. TollesonTITLE **Administrative Assistant**DATE **Feb. 2, 1966**

*(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.)

CCU #191

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.
No DST's taken on this well.			
<u>Supplementary Well History</u>			
Drilled to 366. Set 8 5/8" 24# J-55 STWC Casing at 366 with 230 sacks Type "C" Cement with 27 Cactl. Drilled to TD 6030. Set 4 1/2" 10.5# J-55 STWC Casing at 6028 with stage tool at 6061. Cemented first stage with 400 sacks Type "C" with 62 gal and 2 lbs. Tuf plug per sack, followed by 100 sacks Type "C" Meat. Cemented second stage with 1000 sacks Type "C" with 62 gal and 2 lbs. Tuf plug per sack. Drilled out to FWD 5999. Displaced hole with water containing .5% ICL with 2 1/2 lbs. FR-8 per 1000 gal. Spotted 500 gal 7 1/2% regular acid. Perforated 5916-38 with 4 shots/ft. Fraced with 40480 gal water, treated as above with 30,000 lbs. 20-40 sand and 10,000 lbs. 10-20 sand. Breakdown pressure 1700. Treating pressure 3500 at 46 Bbls/Min. Set bridge plug at 5905. Perforated 5868-84 with 4 shots/ft. Did not frac this interval. Drilled out bridge plug and cleaned out to FWD 5999. On 1-13-66 well flowed at the rate of 4603 MCF/Day on 3/4" choke. TFF 372. CFF 939.			

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Log Tone	1300	
Pictured Cliffs	1450	
Lewis Shale	3020	
Mesaverde	4015	
Mances	4912	
Gallup	5274	
Base Gallup	5743	
Grenshiera	5810	
Grenorous Shale	5865	
Grenorous Dakota	5917	
Main Dakota	6030	
TD		