

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.

SF 078109

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Gallegos Canyon Unit

8. FARM OR LEASE NAME

9. WELL NO.

222

10. FIELD AND POOL, OR WILDCAT

BASIN DAKOTA

11. SEC. T., R., M., OR BLOCK AND SURVEY
OR AREASE/4 SW/4 Sec. 7
T28N-R12W12. COUNTY OR
PARISH

13. STATE

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

1070' FSL & 1450' FWL

At top prod. interval reported below

At total depth

SAME

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

3/27/66

16. DATE T.D. REACHED

4/5/66

17. DATE COMPL. (Ready to prod.)

4/29/66

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

RDB 5566

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

6104

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

6069

22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BYROTARY TOOLS
Surface to

CABLE TOOLS

6104

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

5933-5947, 6016-6036, 6050-6058

Dakota

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

Gamma Ray Sonic, Induction Electric

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#	365	12-1/4	225 sacks	NONE
4-1/2"	10.5#	6104	7-7/8	500 sacks - 1st. stage	NONE
				550 sacks - 2nd. stage	
				375 sacks - 3rd. stage	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	5942	

31. PERFORATION RECORD (Interval, size and number)

6016-6036 and 6050-6058 4 shots per ft.

5933-5947 4 shots per foot

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6016-6058	500 gallons 7-1/2% acid
	44,000 gallons water 50,000 lbs.
5933-5947	24,750 gallons water sand
	24,000 lbs sand.

33.*

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
4/29/66		FLOWING				Shut In	
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5/6/66	3 hr.	3/4	→		771		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO (CORR.)	
494	1540	→		6164		RECEIVED	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)				TEST WENT			

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

TEST WITNESS

35. LIST OF ATTACHMENTS

To be sold to El Paso Natural Gas Company

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

SIGNED

FINAL SIGNED BY

D. I. TOLLEFSON

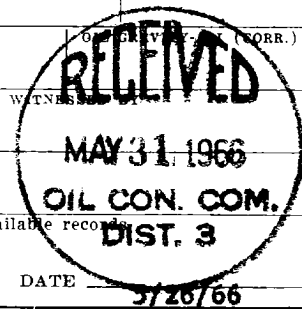
TITLE

Administrative Assistant

DATE

5/26/66

*(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 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 33.

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.
NO CORE			
NO DST			
WELL HISTORY			
Well was spudded 3/27/66 and drilled to a depth of 365' where 8-5/8" casing was set with 225 sacks type "A" cement containing 3% CACL. Well drilled to 6104 and 4-1/2" casing set at that depth with stage tools set at 4225 and 1503. Cemented first stage with 400 sacks class "C" cement containing 6% gel and 2 lbs medium tuff plug per sack followed by 100 sacks "C" neat cement. Cemented second stage with 500 sacks class "C" cement containing 6% gel and 2 lbs. medium tuf plug per sack followed by 50 sacks "C" neat cement. Cemented third stage with 325 sacks class "C" cement containing 6% gel and 1 lb medium tuf plug per sack followed by 50 sacks neat cement. Displaced casing with water containing 2-1/2 lbs. FR-8 per 1000 gallons water and 8% potassium chloride and spotted 500 gallons 7-1/2% acid. Perforated 6016-6036 fractured with 44,000 gallons water treated as above and 40,000 lbs 20-40 sand and ball sealers after 25,000 lbs sand with treating pressure 3000 to 3200 psi, injection rate 55 to 29 barrels per minute. Breakdown pressure 1900, treating pressure 3200-3500 psi and average injection rate 53 BPM. Bridge plug set at 5970. Perforate 5933-5947 with 4 shots per foot. Fractured with 24,750 gallons water sand and 4,000 lbs 10-20 sand. No breakdown. Pumped in formation at 1200 psi, injection rate 44.5 BPM. Drilled bridge plug. 2-3/8" tubing landed at 5942 and on 4/29/66 well completed as shut in			

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
LOG TOPS		
Pictured Cliffs	1350	
Lewis Shale	1540	
Mesaverde	2930	
Mancos	4121	
Gallup	5040	
Base Gallup	5600	
Green Horn	5826	
Greneros Shale	5891	
Greneros Dakota	5930	
Main Dakota	6009	
and 6050-6058 with 2 shots per foot. Dropped 20 and 10,000 lbs 10-20 sand. Injection rate 3200 to 55 BPM. Dropped 20 and 10,000 lbs 10-20 sand. Injection rate 3200 to 55 BPM. Bridge plug set at 5970. average treating pressure 3500, average injection rate 44.5 BPM. Drilled bridge plug. 2-3/8" tubing landed at 5942 and on 4/29/66 well completed as shut in		

Basin Dakota Field Gas Well. On 5/6/66 well flowed. 6164-MCF, tubing pressure flowing 494, casing pressure flowing 1540. Top pay Dakota 5891.