Form 9-330
(Rev. 5-63)

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-078807-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT AGREEMENT NAME: Gallegos Canyon Unit

8. FARM OR LEASE NAME:

2. NAME OF OPERATOR: PAN AMERICAN PETROLEUM CORPORATION

9. WELL NO.: 235

3. ADDRESS OF OPERATOR: SECURITY LIFE BUILDING DENVER, COLORADO 80202

10. FIELD AND POOL, OR WILDCAT: Basin Dakota

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 2240' FNL, 995 FEL
At top prod. interval reported below
At total depth: SAME

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: SE/4 NE/4 Sec. 13, T26N-R13W

RECEIVED
JUN 16 1966
OIL CON. COM.
DIST. 3

14. PERMIT NO.

12. COUNTY OR PARISH: San Juan

13. STATE: New Mexico

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
4/6/66	4/13/66	5/17/66	RDB 5632	----

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
6145	6110		→	Surface to 6145	---

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 6050-6070, 6086-6092, 5968-5978, Dakota

25. WAS DIRECTIONAL SURVEY MADE: NO

26. TYPE ELECTRIC AND OTHER LOGS RUN: 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#	350	12-1/4"	225 sacks	NONE
4-1/2"	10.5#	6145	7-7/8"	1425 sacks	NONE

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	5980	

31. PERFORATION RECORD (*Interval, size and number*)

6050-6070 with 2 shots per foot
6086-6092 with 4 shots per foot
5968-5978 with 6 shots per foot

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6050-6092	500 gallons acid, 60,440 gallons water, 40,000 lbs. sand
5968-5978	30,150 gallons water 30,000 lbs. sand

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
5/17/66	FLOW	Shut In

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5/25/66	3 hr.	3/4			1164		-

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
727	1434			9314		

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*): To be sold to El Paso Natural Gas Company

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 ORIGINAL SIGNED BY D. L. TOLLEFSON D. L. Tollefson TITLE Administrative Assistant DATE 6/13/66

*(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 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.
NO CORE NO DST Well History Well spudded 4/6/66 and drilled to a depth of 350' where 8-5/8" casing was set with 225 sacks type "A" cement containing 3% CACL. Well drilled to 6145 where 4-1/2" casing was set with stage tools at 4248 and 1501. Cemented first stage with 400 sack type "C" cement containing 6% Gel and 2 lbs. medium tuf 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 sackfollowed by 50 sacks "C" neat cement. Cemented third stage with 325 sacks type "C" cement containing 6% GEL and 2 lbs medium tuf plug per sack followed by 50 sacks neat cement. Displaced casing with water containing .8% potassium chloride and 2-1/2 lbs. FR-8 per 1000 gallons. Spotted 500 gal acid. Perforated 6050-6070 with 2 shots per foot and 6086-6092 with 4 shots per foot. Fraced with 40,440 galons water treated as above and 30,000 lbs. 20-40 sand 10,000 lbs. 10-20 sand. Breakdown pressure 2800, treating pressure 3400, average injection rate 59 BPM. Dropped 30 ball sealers after 20,000 lbs. sand with injection rate dropping from 59 BPM to 54 BPM and treating pressure 3400 to 3100 psi with injection rate decreasing to 26 BPM with final injection rate 38 BPM. Bridge plug set at 6030. Perforated 5968-5978 with six shots per foot. Fraced with 30,150 gallons water treated as above and 20,000 lbs 20-40 sand and 10,000 lbs 10-20 sand. Breakdown pressure 3000, treating pressure 3000, average injection rate 60 BPM. 2-3/8" tubing was landed at 5980 and on 5/17/66 well was completed as Basin Dakota Field shut in Gas Development well on 5/25/66 well flowed 9314 MCFD with tubing pressure flowing 727 and casing pressure flowing 1434. Top pay Dakota 5921.			

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
LOG TOPS		
Pictured Cliffs	1372	
Lewis Shale	1545	
Mesaverde	2968	
Mancos	4140	
Gallup	5053	
Base Gallup	5662	
Greenhorn	5855	
Greneros Shale	5922	
Greneros Dakota	5963	
Main Dakota	6045	

U.S. GOVERNMENT PRINTING OFFICE: 1963—O-683636