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.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: SF 077966

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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.: 139

3. ADDRESS OF OPERATOR: Security Life Building Denver, Colorado

10. FIELD AND POOL, OR WILDCAT: Basin Dakota

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 1840' FWL and 1120' FEL
At top prod. interval reported below
At total depth: Same

RECEIVED
JUL 18 1966
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: SE/4 NE/4 Sec. 24 T28N-R13W

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
		San Juan	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
4/30/66	5/9/66	6/9/66	(RDB) 5795	----

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
6259	6222		→	Surface to 6259	----

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 6149-69, 6096-6111 (Dakota)

25. WAS DIRECTIONAL SURVEY MADE: NO

26. TYPE ELECTRIC AND OTHER LOGS RUN: Gamma Ray Log, Induction Electric, Acoustilog

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#	339	12-1/4"	215 sacks	NONE
4-1/2"	10.5#	6259	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)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	6126	

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

6149-69 4 shots per foot
6096-6111 4 shots per foot

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6149-69	500 gal acid, 50,000 gal water 50,000 lbs. sand
6096-6111	DID NOT FRACTURE

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
6/9/66	Flow	

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6/16/66	3	3/4	→		293		

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
188	772	→		2343		

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:

RECEIVED
JUL 19 1966
OIL CON. COM.
DIST. 3

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

ORIGINAL SIGNED BY
SIGNED H. M. SMITH
H. M. Smith

TITLE Administrative Assistant DATE July 11, 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.)

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 4/30/66 and drilled to a depth of 339 feet where 8-5/8" casing was set with 215 sacks "A" cement containing 2% CACL. Well was drilled to a depth of 6259 where 4-1/2" casing was set with stage tools set at 4365 and 1692. Cemented first stage with 400 sacks 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 "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 "C" cement containing 6% gel and 2 lbs. medium tuf plug per sack followed by 50 sacks "C" neat cement. Ran tubing and bit and drilled stage tools and cleaned out well. Displaced casing with water containing 8% potassium chloride and 6 lbs. FR-8 per 1000 gallons. Spotted 500 gallons acid. Perforated 6149-69 with 4 shots per foot. Fraced with 50,000 gallons water treated as above and 40,000 lbs. 20-40 sand and 10,000 lbs. 10-20 sand. Breakdown pressure 1400, average treating pressure 4650, average injection rate 43 BPM. Perforated 6096-6111 with 4 shots per foot. Did not frac these perforations. Displaced annulus with water containing 602 inhibitor. 2-3/8" tubing landed at 6134 and on 6/9/66 well was completed as shut in Basin Dakota Field Gas Development Well. On 6/16/66 well flowed 2343 MCF with tubing pressure flowing 188 and casing pressure flowing 772. Top pay Dakota 6147.

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
LOG TOPS		
Pictured Cliffs	1497	
Lewis Shale	1710	
Mesaverde	3028	
Mancos	4270	
Gallup	5151	
Base Gallup	5680	
Greenhorn	5867	
Graneros Shale	6038	
Graneros Dakota	6073	
Main Dakota	6142	

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