

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

Instructions

General: This form is designed for submitting proposals to abandon certain well operations and reports of such operations. It is to be filled out by the owner of the well, or by the State, or by the Federal Government, or by the local, area, or regional procedures and practices, and it will be used by the Federal Government and the State or Federal office.

Item 4: If there are no applicable State requirements, location on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present standing fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; and on other material placed below, between, and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well was conditioned for final inspection looking to approval of the abandonment.

U.S. GOVERNMENT PRINTING OFFICE: 1953-O-655229

867-851

Test O.K. Perforated Graneros 6569-77, 6586-94 with 4 shots per foot. Fracked these perforations with 32,720 gallons water treated as above and containing 30,000 pounds sand. Breakdown pressure 2500 psi. Average treating pressure 3350 psi. Average injection rate 48 BPM. Drilled out bridge plug and flowed well to clean up.

2 3/8" tubing landed at 6582 and well completed 7-27-65 as shut in Basin D Kota Field development well. Potential test 8-3-65. Flowed 2818 MCFD through 3/4" choke after 3 hours flow. Absolute open flow potential 4430 MCFD. Shut in casing pressure after 7 days 2038 psig.

TABULATION OF DEVIATION TESTS
Houck Gas Unit C No. 1 *C has com # 1*
PAN AMERICAN PETROLEUM CORPORATION

<u>DEPTH</u>	<u>DEVIATION</u>
211'	1/2°
768	1/2
1170	1
1500	3/4
1922	1
2360	1
2644	1/2
3038	1/2
3435	1
3848	3/4
4243	3/4
4641	1 1/4
5022	1
5430	2
5831	2 3/4
6224	3 1/4
6750	3 1/4

A F F I D A V I T

THIS IS TO CERTIFY that to the best of my knowledge the above tabulation details the deviation test taken on PAN AMERICAN PETROLEUM CORPORATION'S Houck Gas Unit "C" No. 1, located 1780 FNL, 1960 FEL, Section 6, T-29-N, R-9-W, San Juan County, New Mexico.

Signed *R. H. Beers* R. H. Beers
Title Administrative Assistant

THE STATE OF COLORADO)
) SS.
COUNTY OF DENVER)

BEFORE ME, the undersigned authority, on this day personally appeared R. H. Beers known to me to be Administrative Assistant for Pan American Petroleum Corporation and to be the person whose name is subscribed to the above statement, who, being by me duly sworn on oath, states that he has knowledge of the facts stated herein and that said statement is true and correct.

SUBSCRIBED AND SWORN TO before me, a Notary Public in and for said County and State this 26 day of August, 1965.

Eatherine L. Liberman
Notary Public

My Commission Expires 3-12-67



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

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

2. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

3. NAME OF OPERATOR: Pan American Petroleum Corporation

4. ADDRESS OF OPERATOR: Security Life Building, Denver, Colorado 80202

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1780 FNL and 1860 FEL

At top prod. interval reported below

At total depth Same

14. PERMIT NO. DATE ISSUED

5. LEASE DESIGNATION AND SERIAL NO.

SF-077092-D

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Houck Gas Unit "C" *Dakota*

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

SW/4, NE/4 Section 6,
T-29-N, R-9-W

12. COUNTY OR PARISH
San Juan

13. STATE
New Mexico

15. DATE SPUDDED 6-26-65 16. DATE T.D. REACHED 7-5-65 17. DATE COMPL. (Ready to prod.) 7-27-65 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5696 (RDB) 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6751 21. PLUG, BACK T.D., MD & TVD 6715 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 0-6751 ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 3652-6678 Dakota 3669-6594 Grandos 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray Neutron 27. WAS WELL CORED No

CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10 3/4"	32.75#	205'	13 3/4"	250 Sacks	None
7 5/8"	24#	2360'	9 7/8"	600 Sacks	None
4 1/2"	10.5#	6751'	6 3/4"	475 Sacks	None

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	6582	

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
3652-78 with 2 shots per foot		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3669-77, 6586-94 with 4 shots per foot		6652-78	41,040 gallons water and 40,000 pounds sand.
		6569-94	32,720 gallons water and 30,000 pounds sand.

33.* PRODUCTION DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flow WELL STATUS (Producing or shut in) Shut in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8-3-65	3	3/4"			477		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.		
309	861						

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold to El Paso Natural Gas Co. TEST WITNESSED SEP 2 1965

35. LIST OF ATTACHMENTS None U. S. GEOLOGICAL SURVEY FARMINGTON, N. M.

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

SIGNED R. H. Beers TITLE Administrative Assistant DATE 8-26-65

*(See Instructions and Spaces for Additional Data on Reverse Side)

[illegible]

Item 6: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal regulations, 48, CFR 101.11 and Federal or Federal office for specific instructions.

Rate 11: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given. In other spaces on this form and in any additional sheets, Rate 12: Indicate if this section is covered for any reason.

Interval 2: e.g., 2-4: If this well is completed for separate production from more than one interval zone (multiple completion), so state in Item 92, and in Item 91 show the interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval referred to in Item 88. Submit a separate report (page) on this for each additional interval; for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Rem 29: "Stacks Central": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.
Rem 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 FORO'S ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL LISTED, CUSHION SHIP, TUBE TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONVENTS, ETC.	NAME	MEAS. DEPTH	TOP MARKING
Surface Sand & Shale	0	2228				
Pictured cliffs	2228	2290				
Lewis Shale	2290	3870				
Mesa Verde	3870	4600				
Mancos	4600	5720				
Gallup	5720	6010				
Base Gallup	6010	6460				
Greenhorn	6460	6518				
Graneros Shale	6518	6566				
Graneros Dakota	6566	6650				
Ma n Dakota	6650	6751				

Current Records:

Change To;

BASIN DAKOTA POOL Cont:

Heath Gas Unit G #1
 Heath Gas Unit H #1
 Heath Gas Unit J #1
 Houck C Gas Com #1
 Hubbell Gas Unit B #1
 Hubbell Gas Unit C #1
 Hutton Gas Unit #1
 Jaquez Gas Unit A #3
 Jaquez Gas Unit B #3
 Jaquez Gas Unit D #1
 Jennepah A Gas Com #1
 Jicarilla Gas Unit B #1
 Johnson Gas Unit B #1
 Johnson Gas Unit C #1
 Johnson Gas Unit D #1
 Jones Gas Unit C #1-X
 Keys Gas Unit D #1
 King Gas Unit #1
 Kutz (Deep) D Gas Unit #1
 Lefkovitz Gas Unit B #1
 Likins Gas Unit A #3
 Lillywhite Gas Unit #1
 Lobato Gas Unit E #1
 Maddox Gas Unit C #1
 Marsrow Gas Unit #1
 Martin Gas Unit B #1
 Martin Gas Unit C #1
 Martin Gas Unit E #1
 Martin F Gas Com #1
 Martin G Gas Com #1
 Martinez Gas Unit F #1
 Masden Gas Unit #1
 McDaniel Gas Unit B #1
 McGrady Gas Unit #1
 Miller Gas Unit #1
 Miller Gas Unit B #1
 Morris Gas Unit B #1
 Morris Gas Unit C #1
 Nye Gas Unit B #1
 Pan Amer. Federal Gas Unit B #1
 Richardson Gas Unit B #1
 Roberts Gas Unit B #1
 Rowland Gas Unit #1
 Sammons Gas Unit C #1
 Scott Gas Unit #1
 State Gas Unit BG #1
 State Gas Unit BJ #1
 Stedje Gas Unit #1
 Sullivan Gas Unit C #1
 Sullivan Gas Unit D #1
 Taft Gas Unit #1
 Totah Vista Gas Unit #1
 USA Stanolind A #2
 White Gas Unit #1

N-8-29-9 Heath Gas Com G #1
 F-8-29-9 Heath Gas Com H #1
 G-9-29-9 Heath Gas Com J #1
 G-6-29-9 Houck Gas Com C #1
 M-30-28-10 Hubbell Gas Com B #1
 N-29-28-10 Hubbell Gas Com C #1
 H-6-29-12 Hutton Gas Com #1
 G-5-29-9 Jaquez Gas Com A #3
 K-4-29-9 Jaquez Gas Com B #3
 J-6-29-9 Jaquez Gas Com D #1
 H-36-28-9 Jennepah Gas Com A #1
 G-31-26-5 Jicarilla Gas Com B #1
 H-21-27-10 Johnson Gas Com B #1
 C-7-29-12 Johnson Gas Com C #1
 G-15-30-12 Johnson Gas Com D #1
 N-8-29-11 Jones Gas Com C #1-X
 N-29-29-10 Keys Gas Com D #1
 B-29-30-13 King Gas Com #1
 A-27-28-10 Kutz Deep Gas Com D #1
 A-25-29-10 Lefkovitz Gas Com B #1
 M-34-30-9 Likins Gas Com A #3
 C-13-30-12 Lillywhite Gas Com #1
 K-3-29-9 Lobato Gas Com E #1
 M-27-29-10 Maddox Gas Com C #1
 F-15-29-12 Marsrow Gas Com #1
 G-31-28-10 Martin Gas Com B #1
 K-11-27-10 Martin Gas Com C #1
 L-15-27-10 Martin Gas Com E #1
 E-14-27-10 Martin Gas Com F #1
 B-14-27-10 Martin Gas Com G #1
 L-24-29-10 Martinez Gas Com F #1
 A-28-29-11 Masden Gas Com #1
 H-26-29-10 McDaniel Gas Com B #1
 D-14-27-12 McGrady Gas Com #1
 H-20-30-13 Miller Gas Com #1
 P-20-30-13 Miller Gas Com B #1
 D-10-27-10 Morris Gas Com B #1
 K-26-29-10 Morris Gas Com C #1
 H-7-29-9 Nye Gas Com B #1
 O-31-30-11 Pan American Federal Gas Com B #1
 A-11-27-13 Richardson Gas Com B #1
 A-14-29-13 Roberts Gas Com B #1
 P-25-30-12 Rowland Gas Com #1
 N-7-29-9 Sammons Gas Com C #1
 A-1-30-12 Scott Gas Com #1
 F-2-29-10 State Gas Com BG #1
 C-2-30-13 State Gas Com BJ #1
 F-27-30-12 Stedje Gas Com #1
 N-28-29-10 Sullivan Gas Com C #1
 B-26-29-11 Sullivan Gas Com D #1
 A-14-30-13 Taft Gas Com #1
 M-22-29-13 Totah Vista Gas Com #1
 O-29-31-12 Stanolind A #2
 O-22-29-13 White Gas Com #1

SOUTH BLANCO PICTURED CLIFFS POOL:

Jicarilla Gas Unit A #1

G-31-26-5 Jicarilla Gas Com A #1

BLANCO MESAVERDE POOL:

Archuleta Gas Unit A #1
 Boyd Gas Unit #1
 Canepile Gas Unit #1
 Chavez Gas Unit A #1

K-5-29-9 Archuleta Gas Com A #1
 M-8-31-10 Boyd Gas Com #1
 N-18-31-10 Canepile Gas Com #1
 G-3-29-9 Chavez Gas Com A #1

cc:
 OCC-Santa Fe U.S.G.S.
 File Operator
 El Paso Nat'l Gas Co.
 Southern Union Gas Co.
 Southern Union Gathering
 Pan Am Pipeline Co.
 Plateau, Inc.
 Shell Oil Company
 Four Corners Pipeline
 Graves Oil Company
 Basin Pipeline Co.
 Transwestern Tankers

Effective March 1, 1966
 APPROVED PAN AMERICAN PETROLEUM CORPORATION

BY

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