

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☒

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☒

2. NAME OF OPERATOR

PAN AMERICAN PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR

501 Airport Drive, Farmington, New Mexico 87401

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

At surface

1710' FSL and 1690' FWL

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

16 Miles Northeast of Counselors, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

1690'

16. NO. OF ACRES IN LEASE

2557

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

2000'

19. PROPOSED DEPTH

7425'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

319.35 Dakota Unit, 160 P.C. Unit

20. ROTARY OR CABLE TOOLS

Rotary 0 - TD

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

Will Report Later

22. APPROX. DATE WORK WILL START*

8-6-70

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	450'	300 Sacks
6-3/4"	4-1/2"	10.5#	7400'	1900 Sacks w/Stage Tools
				100' below Masaverde and Pictured Cliffs

Completion will be determined upon reaching total depth.

Copies of Location Plat are Attached.

Copies of all logs run will be furnished upon completion of the well.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Original Signed By:

G. W. EATON, JR.

SIGNED

TITLE

Area Engineer

DATE

August 3, 1970

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal 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.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

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 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

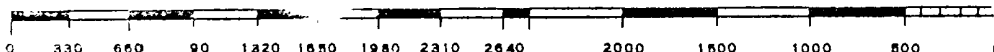
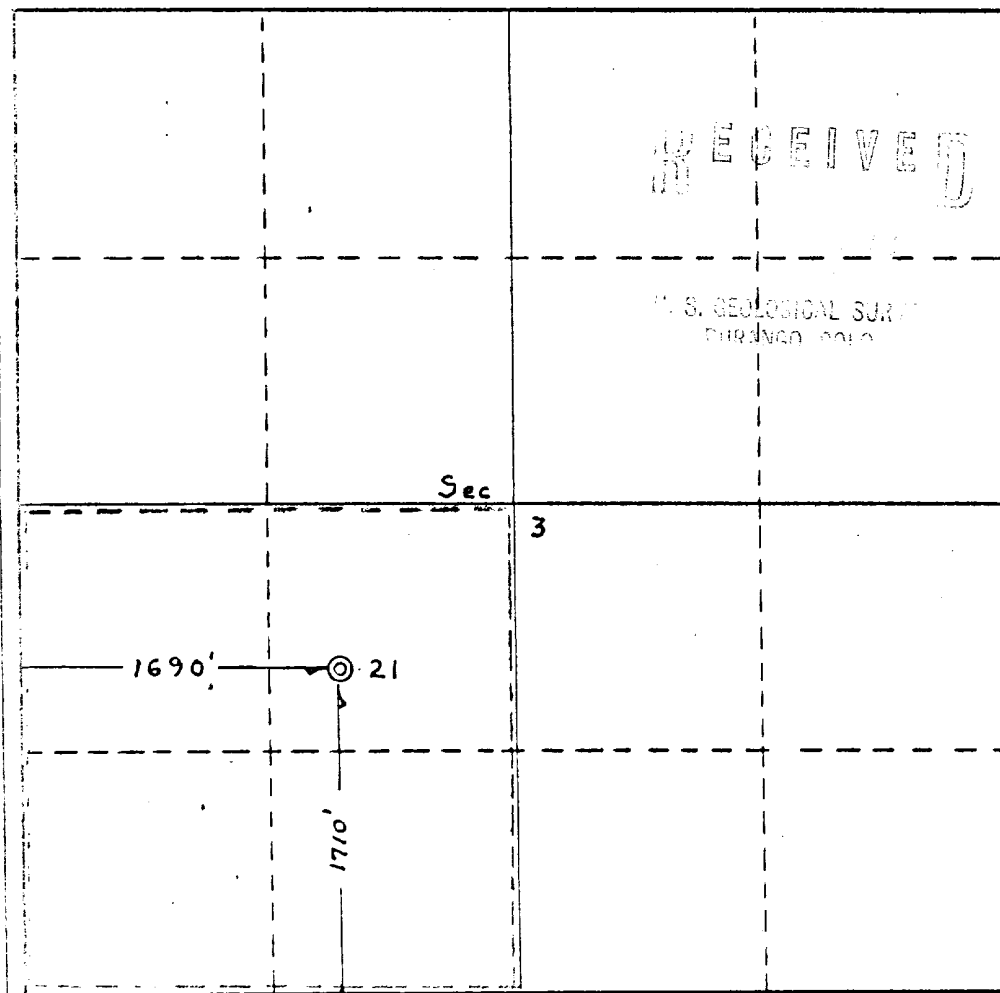
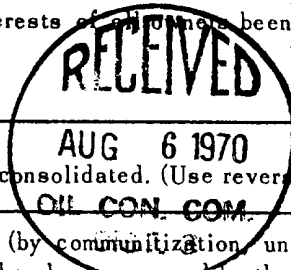
Operator Pan American Petroleum Corp.			Lease Jicarilla Contract 146		Well No. 21
Unit Letter K	Section 3	Township 25N	Range 5W	County Rio Arriba	
Actual Footage Location of Well: 1710 feet from the South line and 1690 feet from the West line					
Ground Level Elev. 6619' (Ungraded)	Producing Formation Pictured Cliffs		Pool So. Blanco Pictured Cliffs	Dedicated Acreage: SW/4 160 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name
G. W. Eaton, Jr.
Position
Area Engineer
Company
PAN AMERICAN PETROLEUM CORP.
Date
August 3, 1970

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
July 30, 1970
Registered Professional Engineer and/or Land Surveyor
Fred B. Kott Jr.
Certificate No.
3950

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

Jicarilla Contract 146

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla Contract 146

9. WELL NO.

21

10. FIELD AND POOL, OR WILDCAT

**South Blanco Pictured Cliffs
and Basin Dakota**

11. SEC., T., R., M., OR B&K. AND

**SW/4 Section 3,
T-25-N, R-5-W**

12. COUNTY OR PARISH 13. STATE

Rio Arriba New Mexico

1. OIL ☐ GAS ☒ OTHER ☐
WELL WELL

2. NAME OF OPERATOR
PAN AMERICAN PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR
501 Airport Drive, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
1710' FSL and 1690' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

Will Report Later

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

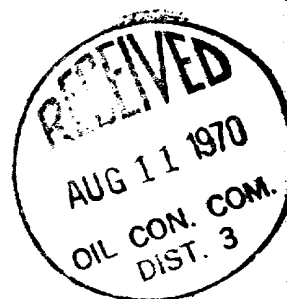
ABANDONMENT* ☐

Spud and Setting Casing ☒

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.)*

**A 12-1/4" hole was spudded August 5, 1970 and drilled to 463' with 8-5/8" casing
set at 463' and cemented with 300 sacks Type "A" cement with 2% CACl₂. Circulated
cement.**



18. I hereby certify that the foregoing is true and correct

SIGNED Original Signed By
G. W. EATON, JR.

TITLE **Area Engineer**

DATE **August 7, 1970**

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

Instructions

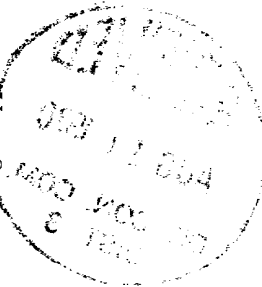
General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

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 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 significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or 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 site conditioned for final inspection looking to approval of the abandonment.

U.S. GOVERNMENT PRINTING OFFICE: 1963 - O-685229

847 - 485



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-B1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

Jicarilla Contract 146

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla Contract 146

9. WELL NO.

21

10. FIELD AND POOL, OR WILDCAT

Otero Chacra & Basin Dakota

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

SW/4 Section 3,

T-25-N, R-5-W

12. COUNTY OR PARISH 13. STATE

Rio Arriba New Mexico

1. OIL ☐ GAS ☐
WELL WELL OTHER

2. NAME OF OPERATOR

PAN AMERICAN PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR

501 Airport Drive, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

1710' FSL and 1690' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

RDS 6634', GL 6620'

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

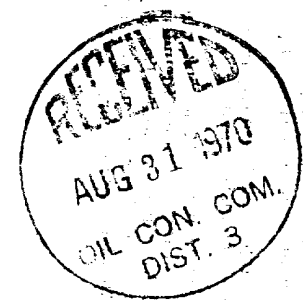
ALTERING CASING ☐

ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.)*

Instead of completing the Pictured Cliffs interval in the subject well as originally
outlined, we now plan to complete in the Chacra zone at 3786-96' and dual with the
Dakota.



18. I hereby certify that the foregoing is true and correct

SIGNED Original signed by L.R. Chis TITLE Petroleum Engineer

DATE August 27, 1970

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

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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.

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 <u>Reel</u>
2. NAME OF OPERATOR						5. LEASE DESIGNATION AND SERIAL NO.	
PAN AMERICAN PETROLEUM CORPORATION						Jicarilla Contract 146	
3. ADDRESS OF OPERATOR						6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
501 Airport Drive, Farmington, New Mexico 87401						Jicarilla Apache	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*						7. UNIT AGREEMENT NAME	
At surface 1710' FSL X 1690' FSL						8. FARM OR LEASE NAME	
At top prod. interval reported below Same						Jicarilla Contract 146	
At total depth Same						9. WELL NO.	
14. PERMIT NO. DATE (SADD)						21	
OIL CON. DIST. 3						10. FIELD AND POOL, OR WILDCAT	
15. DATE SPUDDED						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA	
8-5-70						SW/4 Section 3, T-25-N, R-3-W	
16. DATE T.D. REACHED						12. COUNTY OR PARISH	
8-29-70						Rio Arriba	
17. DATE COMPL. (Ready to prod.)						13. STATE	
9-11-70						New Mexico	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*						19. ELEV. CASINGHEAD	
GR 6620', RKB 6624'						6620'	
20. TOTAL DEPTH, MD & TVD		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY	
7456'		7363'		2		ROTARY TOOLS CABLE TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*						25. WAS DIRECTIONAL SURVEY MADE	
3786-96' Chacra						No	
26. TYPE ELECTRIC AND OTHER LOGS RUN						27. WAS WELL CORED	
Induction Electric						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	463'	12-1/4"	300 ex		None	
4-1/2"	10.5	7456'	7-7/8"	1950 ex w/BV at 3035' x 3404' (1st 600 ex, 2nd 600 ex, 3rd 750 ex)		None	
29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	7032'	7030'
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
3786-96' x 3 SPF Chacra				DEPTH INTERVAL (MD)			
7082-90' x 4 SPF X 7214-20, 7248-52',				AMOUNT AND KIND OF MATERIAL USED			
7264-68' x 3 SPF Dakota				3786-96' - 900 gal. HCl x 36,624 gal. water x 20,000 lb. 20-40 mesh 10,000 lb. 10-20 mesh.			
33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
		Flowing				Shut In	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9-18-70	3 hr.	3/4"	→				
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
Packer	84 psig	→		1154 (AOF 1190)			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
To be sold to El Paso Natural Gas Co.							
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 _____

TITLE Area EngineerDATE October 13, 1970

*(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				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Chacra	3780'	3820'	Natural gas	Kittland Shale	2915'	
Graneros	7082'	7090'	Natural gas and condensate and some water	Pictured Cliffs	2892'	
				Lewis Shale	2932'	
				Chacra	3780'	
				Lewis Shale	3820'	
				Mesaverde	4377'	
				Mameos Shale	5280'	
				Gallop	6100'	
				Greenhorn	7003'	
				Graneros Shale	7036'	
				Graneros Sand	7081'	
Main Dakota	7214'	7266'	Natural gas and condensate and some water	Main Dakota	7213'	

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.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____				5. LEASE DESIGNATION AND SERIAL NO. Jicarilla Contract 146	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other Dual				6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
2. NAME OF OPERATOR PAN AMERICAN PETROLEUM CORPORATION				7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 501 Airport Drive, Farmington, New Mexico 87401				8. FARM OR LEASE NAME Jicarilla Contract 146	
4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations) At surface 1710' FSL & 1690' FSL At top prod. interval reported below Same At total depth Same				9. WELL NO. 21	
14. PERMIT NO. _____ DATE ISSUED OCT 15 1970 CON. COM.				10. FIELD AND POOL, OR WILDCAT Sagin Dakota	
15. DATE SPUDDED 8-5-70				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SW/4 Section 3, T-25-N, R-3-W	
16. DATE T.D. REACHED 8-20-70				12. COUNTY OR PARISH Rio Arriba	
17. DATE COMPL. (Ready to prod.) 9-11-70				13. STATE New Mexico	
18. INTERVALS (DF, RKB, BT, GR, ETC.)* GR 6630', RKB 6634'				19. ELEV. CASINGHEAD 6620'	
20. TOTAL DEPTH, MD & TVD 7456'		21. PLUG, BACK T.D., MD & TVD 7363'		22. IF MULTIPLE COMPL., HOW MANY* 2	
23. INTERVALS DRILLED BY 0-10				24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 7082-7268' Dakota	
25. WAS DIRECTIONAL SURVEY MADE No				26. TYPE ELECTRIC AND OTHER LOGS RUN Induction Electric	
27. WAS WELL CORED No				28. CASING RECORD (Report all strings set in well)	
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)	
8-5/8"		24		463'	
4-1/2"		10.5		7436'	
HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
12-1/4"		300 sz		None	
7-7/8"		1950 sz w/DV at 3058 x 3404' (1st 600 sz, 2nd 600 sz, 3rd 750 sz)		None	
29. LINER RECORD				30. TUBING RECORD	
SIZE		TOP (MD)		SIZE	
				2-3/8"	
BOTTOM (MD)		SACKS CEMENT*		DEPTH SET (MD)	
				7032'	
SCREEN (MD)		PACKER SET (MD)		7030'	
31. PERFORATION RECORD (Interval, size and number) 3786-96' x 3 SP7 Chacra 7082-90' x 4 SP7 x 7214-20', 7248-52', 7264-68' x 3 SP7 Dakota				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
				DEPTH INTERVAL (MD)	
				7082-90' - 500	
				20-40 sz x 50,000# 10-20 sz.	
				7214-68' - 500	
				gal HCl x 50,652 gal wt x 20,000#	
				20-40 sz x 10,000# 10-20 sz.	
33.* PRODUCTION					
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing			WELL STATUS (Producing or shut-in) Shut in
DATE OF TEST 9-25-70		HOURS TESTED 3 hr.		CHOKE SIZE 3/4"	
PROD'N. FOR TEST PERIOD		OIL—BBL.		GAS—MCF.	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE	
123 psig		packer		1569 (AOV 1545)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold to El Paso Natural Gas Co.				TEST WITNESSED BY OCT 14 1970	
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 _____ TITLE Area Engineer DATE October 13, 1970					

*(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				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Chacra	3780'	3820'	Natural Gas	Kirtland	2515'	
Graneros	7082'	7090'	Natural gas and condensate and some water	Pictured Cliffs	2892'	
Main Dakota	7214'	7268'	Natural gas and condensate and some water	Lewis Shale	2932'	
				Chacra	3780'	
				Lewis Shale	3820'	
				Mesa Verde	4577'	
				Mesa Verde	5280'	
				Gallup	6100'	
				Greenhorn	7003'	
				Graneros Shale	7056'	
				Graneros Sand	7081'	
				Main Dakota	7213'	

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

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 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 significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or 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 site conditioned for final inspection looking to approval of the abandonment.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL ☐ GAS ☒ WELL ☒ OTHER ☐	2. NAME OF OPERATOR PAN AMERICAN PETROLEUM CORPORATION	3. ADDRESS OF OPERATOR 501 Airport Drive, Farmington, New Mexico 87401	4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) 1710' FSL and 1690' FWL	5. LEASE DESIGNATION AND SERIAL NO. Jicartilla Contract 146	6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicartilla Apache	7. UNIT AGREEMENT NAME Jicartilla Apache	8. FARM OR LEASE NAME Jicartilla Contract 146	9. WELL NO. 21	10. FIELD AND POOL, OR WILDCAT CITIES & BASIN NAMES South Blanco Field CITIES & BASIN NAMES	11. SEC. T. R. N. OR M.E. AND SURVEY OR AREA SM/4 Section 3, T-25-N, R-5-W	12. COUNTY OR PARISH Rio Arriba	13. STATE New Mexico	14. PERMIT NO. 6620' CR, 6634' RDB
---	---	---	--	--	---	---	--	-------------------	---	--	------------------------------------	-------------------------	---------------------------------------

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)	☐		☒

(NOTE: Report results of multiple completion on well completion or Recommendation Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The 4-1/2" casing was set at 7456' and cemented as follows: First stage cemented with 500 sacks Type "C", 50-50 Pozmix with 6% gel and 2 pounds medium grit plug per sack followed with 100 sacks Type "C" Neat. Second stage cemented with 550 sacks mixed as above and followed by 50 sacks Type "C" Neat. Third stage cemented with 700 sacks mixed as above and followed by 50 sacks Type "C" Neat. Cement circulated on all stages. DV tools were set at 5404' and 3058'.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Petroleum Engineer

(This space for Federal or State office use)

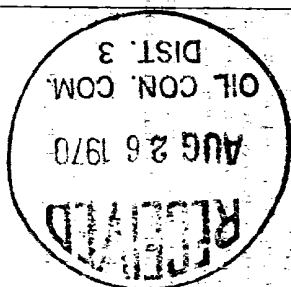
APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

DATE August 22, 1970



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.
5. LEASE DESIGNATION AND SERIAL NO.**Jicarilla Contract 146**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla Contract 146

9. WELL NO.

21

10. FIELD AND POOL, OR WILDCAT

Otero Chacra & Basin Dakota11. SEC., T., R., M., OR BLK. AND
SUBVEY OR AREA**SW/4 Section 3,
T-25-N, R-5-W**

12. COUNTY OR PARISH

13. STATE

Rio Arriba**New Mexico**1. OIL ☐ GAS ☒ OTHER
WELL WELL

2. NAME OF OPERATOR

PAN AMERICAN PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR

501 Airport Drive, Farmington, New Mexico 874014. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface**1710' FSL and 1690' FWL**

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

RDE 6634', GL 6620'

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☒SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

TD 7456. PBD 7363.

Rigged up service unit 9-1-70 and tagged cement 7363'. Displaced hole with water containing 0.8% KCl and 7 lbs. J-133 per 1000 gallons. Spotted 500 gallons 7-1/2% regular HCl. Perforated 7214-20', 7248-52', and 7264-68' with 3 SPF. Sand-water fraced with 50,652 gallons treated water containing 0.8% KCl and 7 lbs. J-133 per 1000 gallons water and 20,000 lbs. 20-40 sand and 10,000 lbs. 10-20 sand. Breakdown pressure 3600 and treating pressure 3800, 3600 and 3700. AIR 37 BPM. Cast iron bridge plug set at 7160'. Perforated 7082-90' with 4 SPF. Spearheaded with 500 gallons 15% acid. Sand-water fraced with 43,680 gallons water treated as above and 15,000 lbs. 20-40 sand and 5,000 lbs. 10-20 sand. Breakdown pressure 3800. Treating pressure 3800, 3700, and 3800. AIR 28 BPM. Cast iron bridge plug set at 7002'. Perforated 3786-96' with 3 SPF and spearheaded with 500 gallons 15% acid. Sand-water fraced with 36,624 gallons treated water as above and 20,000 lbs. 20-40 sand and 10,000 lbs. 10-20 sand. Breakdown pressure 1200, maximum 3150 and average 3100. AIR 48 BPM.

18. I hereby certify that the foregoing is true and correct

SIGNED

Orig. signed by D. A. Wayhan

TITLE

Area Engineer

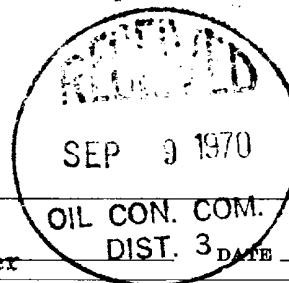
(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



*See Instructions on Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

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 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 significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or 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 site conditioned for final inspection looking to approval of the abandonment.

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

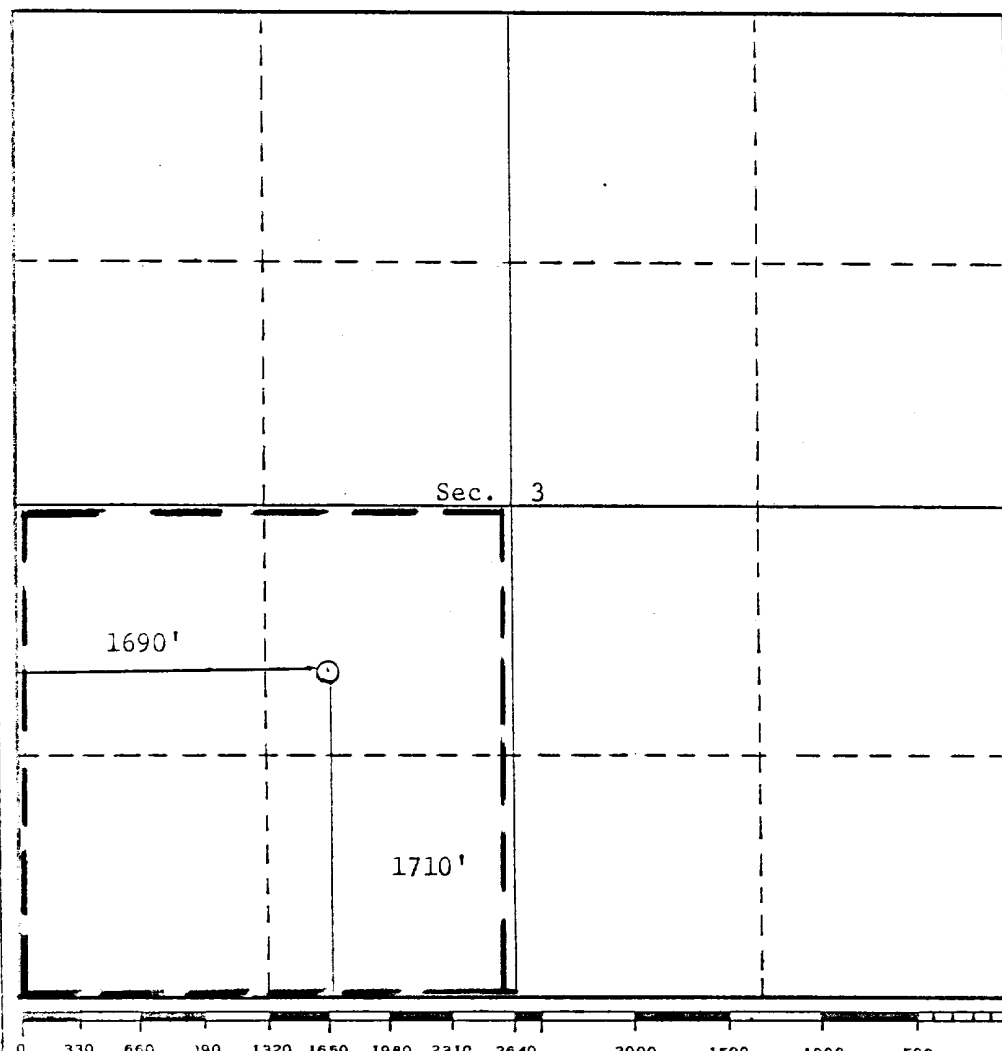
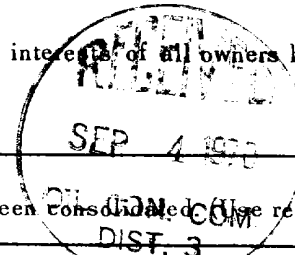
Operator PAN AMERICAN PETROLEUM CORPORATION			Lease Jicarilla Contract 146		Well No. 21
Unit Letter K	Section 3	Township 25-N	Range 5-W	County Rio Arriba	
Actual Footage Location of Well: 1710 feet from the South line and 1690 feet from the West line					
Ground Level Elev. 6620'	Producing Formation Chacra		Pool Otero		Dedicated Acreage: SW/4 160 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION	
<i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i> 	
Name	D. A. Wayhan
Position	Area Engineer
Company	PAN AMERICAN PETROLEUM CORP.
Date	September 2, 1970
<i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</i>	
Date Surveyed	July 30, 1970
Registered Professional Engineer and/or Land Surveyor	
Original signed by Fred B. Kerr, Jr.	
Certificate No.	3950

<u>DEPTH</u>	<u>DEVIATION</u>
120'	1/4°
463'	3/4°
710'	1/4°
1210'	1/4°
1715'	1/4°
2290'	1/2°
2425'	1/2°
2854'	1/4°
3450'	1/2°
3850'	1/2°
4201'	1/2°
4385'	1/2°
5400'	1/2°
6330'	1/2°
6619'	3/4°
6919'	1-1/2°
7251'	3/4°
7448'	1°



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 Jicarilla Contract 146 No. 21, Basin Dakota Field, located in the NE/4 SW/4 (1710' FSL & 1690' FWL) Section 3, T-25-N, R-5-W, Rio Arriba County, New Mexico. This well is dually completed with the Otero Chacra Field.

Signed

Title Area Engineer

THE STATE OF NEW MEXICO)

) SS.

COUNTY OF SAN JUAN

BEFORE ME, the undersigned authority, on this day personally appeared D. A. Wayhan known to me to be Area Engineer 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 13th day of October, 1970.

Beverly Riley
Notary Public

My Commission Expires: Sept. 1, 1974

STATE OF NEW MEXICO)
)
COUNTY OF SAN JUAN)

I, Earl S. Brown, being first duly sworn upon my oath
depose and say as follows:

I am an employee of Baker Oil Tools, Inc., and that on September
6, 1970, I was called to the location of the Pan American Petroleum
Corporation's Jicarilla Contract 146 No. 21 Well located in the Unit K of
Section 3, Township 25N, Range 5W, N.M.P.M. for the purpose of installing
a production packer. Under my direct supervision a Baker Model "D" pro-
duction packer was set at 7030 feet. The production packer was properly
set in accordance with the usual practices and customs of the industry.

Earl S. Brown

BAKER OIL TOOLS, INC.

Subscribed and sworn to before me, a Notary Public in and for
San Juan County, New Mexico, the 6th day of November, 1970.

Leverly Eiley
Notary Public in and for
San Juan County, New Mexico

My Commission expires:

Sept 1, 1974



1992

[illegible]

1964
JUL 10 1964
DIST. 1

OIL CONSERVATION COMMISSION
3 DISTRICT

OIL CONSERVATION COMMISSION
BOX 2088
SANTA FE, NEW MEXICO

DATE 11-23-70

Re: Proposed NSP _____

Proposed NWI _____

Proposed NSL _____

Proposed NFO _____

Proposed MC ✓

Gentlemen:

I have examined the application dated 11-17-70
for the Pan American Oil Corp. Inc. Cont #146 #21 K-3-25N.54
Operator Lease and Well No. S-T-R

and my recommendations are as follows:

Approved

Yours very truly,

Emory C. Lane

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
APPLICATION FOR MULTIPLE COMPLETION

Form C-107
5-1-61

Operator Pan American Petroleum Corporation		County Rio Arriba		Date November 17, 1970
Address Security Life Bldg., Denver, Colorado		Lease Jicarilla Contract 146		Well No. 21
Location of Well K	Unit 3	Section 25N	Range 5W	

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES X NO
2. If answer is yes, identify one such instance: Order No. MC-1077; Operator Lease, and Well No.: Pan American Petroleum Corporation, Jicarilla Gas Com. "B" - 1, Unit G Section 31 T26N R5W

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Otero Chacra		Basin Dakota
b. Top and Bottom of Pay Section (Perforations)	3786-3796		7082-7268
c. Type of production (Oil or Gas)	Gas		Gas
d. Method of Production (Flowing or Artificial Lift)	Flow		Flow

4. The following are attached. (Please check YES or NO)

Yes	No	
☒	☐	a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
☒	☐	b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
☒	☐	c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*
☒	☐	d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.)

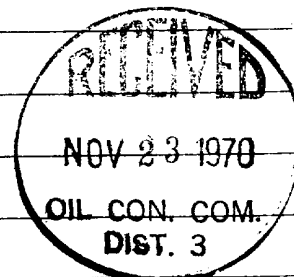
5. List all offset operators to the lease on which this well is located together with their correct mailing address.

Southern Union Production Co., P. O. Box 808, Farmington, New Mexico 87401

Marathon Oil Company, P. O. Box 120, Casper, Wyoming 82601

Continental Oil Company, 152 No. Durbin, Casper, Wyoming 82601

Amerada Petroleum Corporation, Box 2040, Tulsa, Oklahoma 74102



6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X NO . If answer is yes, give date of such notification 11-17-70.

CERTIFICATE: I, the undersigned, state that I am the Sr. Staff Engineer of the Pan American Petroleum Corporation (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

RB Giles
Signature

*Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the pools, the application for approval of the same should be filed simultaneously with this application.

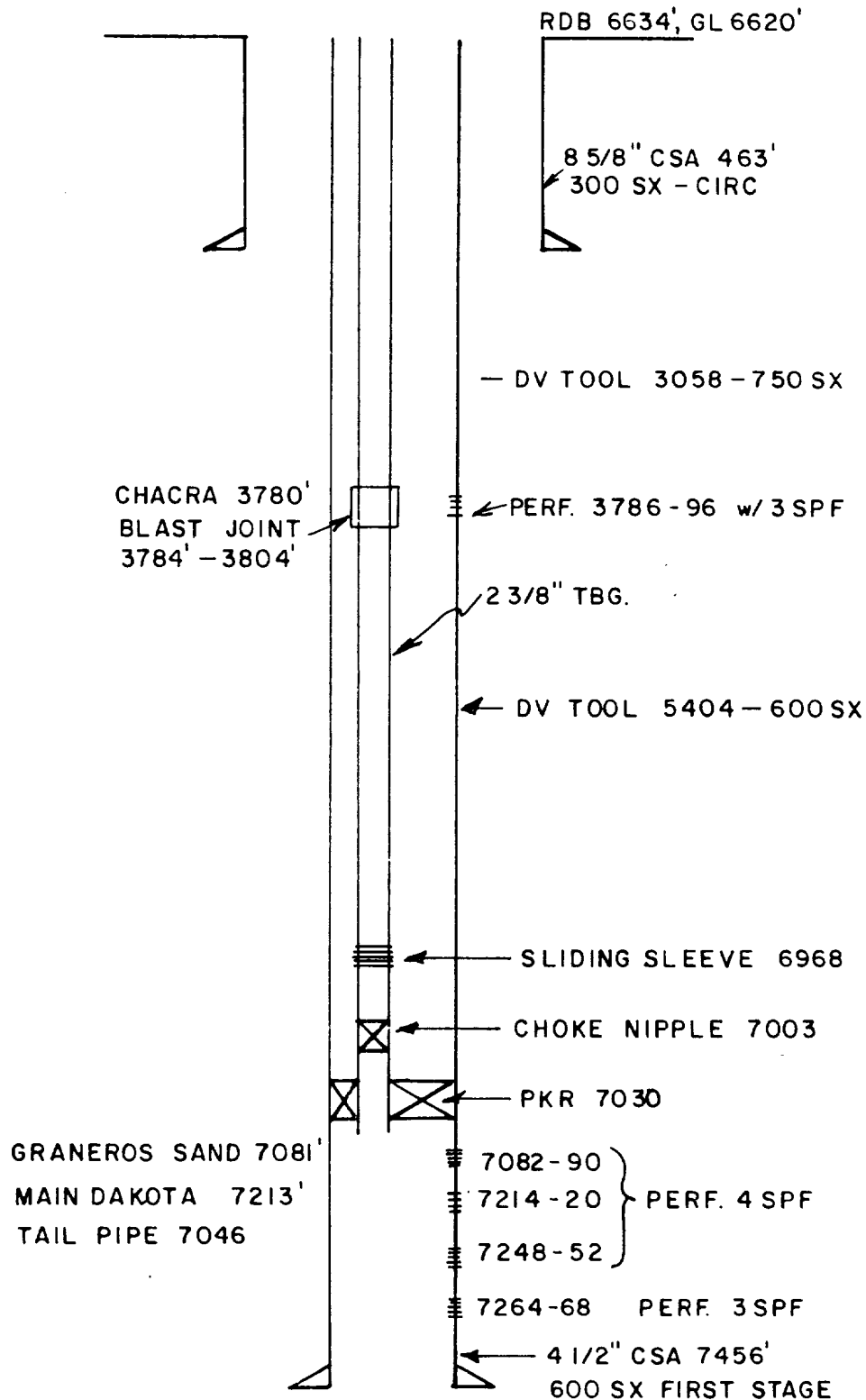
PAN AMERICAN PETROLEUM CORPORATION

WELL BORE DIAGRAM

JICARILLA CONTRACT 146 NO.21

Rio Arriba County, New Mexico

Dual Completion (Chacra-Dakota)



THE APPLICATION OF PAN AMERICAN PETROLEUM
CORPORATION FOR A DUAL COMPLETION.

ORDER NO. MC-1933

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION COMMISSION

Under the provisions of Rule 112-A, Pan American Petroleum Corporation made application to the New Mexico Oil Conservation Commission on November 23, 1970, for permission to dually complete its Jicarilla Contract 146 Well No. 21 located in Unit K of Section 3, Township 25 North, Range 5 West, NMPM, Rio Arriba County, New Mexico, in such a manner as to produce gas from the Otero-Chacra Pool and the Basin-Dakota Pool.

Now, on this 14th day of December, 1970, the Secretary-Director finds:

- (1) That application has been duly filed under the provisions of Rule 112-A of the Commission's Rules and Regulations;
- (2) That satisfactory information has been provided that all operators of offset acreage have been duly notified; and
- (3) That no objections have been received within the waiting period as prescribed by said rule.
- (4) That the proposed dual completion will not cause waste nor impair correlative rights.
- (5) That the mechanics of the proposed dual completion are feasible and consonant with good conservation practices.

IT IS THEREFORE ORDERED:

That the applicant herein, Pan American Petroleum Corporation, be and the same is hereby authorized to dually complete its Jicarilla Contract 146 Well No. 21 located in Unit K of Section 3, Township 25 North, Range 5 West, NMPM, Rio Arriba County, New Mexico, in such a manner as to produce gas from the Otero-Chacra Pool and the Basin-Dakota Pool through the casing-tubing annulus and the tubing, respectively.

PROVIDED HOWEVER, That applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A.

PROVIDED FURTHER, That applicant shall take packer-leakage tests upon completion and annually thereafter.

IT IS FURTHER ORDERED:

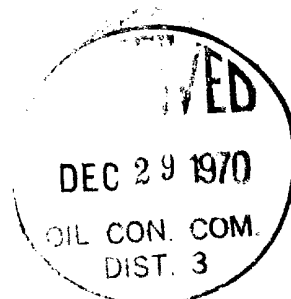
That jurisdiction of this cause is hereby retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

A. L. PORTER, Jr.
Secretary-Director

S E A L



THE SECRETARY OF THE ARMY
WASHINGTON, D. C.

MEMORANDUM FOR THE SECRETARY OF THE ARMY

1. The purpose of this memorandum is to inform you of the results of the recent visit to the Army Medical Center, Fort Detrick, North Carolina, by the Secretary of the Army. The visit was made on the occasion of the Secretary's inspection of the Army Medical Center, Fort Detrick, North Carolina, on the 15th of the month.

2. The Secretary of the Army, during his visit, was accompanied by the following personnel:

a. The Secretary of the Army, General [Name], and the Secretary of the Army, General [Name].

b. The Secretary of the Army, General [Name], and the Secretary of the Army, General [Name].

c. The Secretary of the Army, General [Name], and the Secretary of the Army, General [Name].

d. The Secretary of the Army, General [Name], and the Secretary of the Army, General [Name].

e. The Secretary of the Army, General [Name], and the Secretary of the Army, General [Name].

RESULTS OF VISIT

1. The Secretary of the Army, during his visit, was accompanied by the following personnel:

a. The Secretary of the Army, General [Name], and the Secretary of the Army, General [Name].

b. The Secretary of the Army, General [Name], and the Secretary of the Army, General [Name].

CONCLUSIONS

1. The Secretary of the Army, during his visit, was accompanied by the following personnel:

a. The Secretary of the Army, General [Name], and the Secretary of the Army, General [Name].

Very truly yours,
[Signature]



NO. OF COPIES RECEIVED		5
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SANTA FE		1
FILE		1
U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	1
	GAS	1
OPERATOR		1
PRORATION OFFICE		

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Eff. 2-1-71,
Pan American Petro. Corp.
has changed its name to
AMOCO PROD. CO.

I. Operator

PAN AMERICAN PETROLEUM CORPORATION

Address

501 Airport Drive, Farmington, New Mexico 87401

Reason(s) for filing (Check proper box) Other (Please explain)

New Well ☒ Change in Transporter of:

Recompletion ☐ Oil ☐ Dry Gas ☐

Change in Ownership ☐ Casinghead Gas ☐ Condensate ☐

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Jicarilla Contract 146	21	Basin Dakota	Federal State, Federal or Fee	Indian-Jicarilla
Location			Contract 146	
Unit Letter	K	1710 Feet From The	South	Line and 1690 Feet From The
Line of Section	3	Township	25-N	Range 5-W, NMPM, Rio Arriba
			County	

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒	Address (Give address to which approved copy of this form is to be sent)	
Plateau, Inc.	P. O. Box 108, Farmington, New Mexico 87401	
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent)	
El Paso Natural Gas Co.	P. O. Box 990, Farmington, New Mexico 87401	
If well produces oil or liquids, give location of tanks.	Unit	Sec.
	K	3
		25N
		5W
		No
		When

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X	X					
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
8-5-70	9-11-70	7456'	7363'					
Elevations (DE, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
GR 6620', RKB 6634'	Dakota	7082'	7032'					
Perforations	Depth Casing Shoe							
7082-90', 7214-20, 7248-52, 7264-68'	7456'							
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
12-1/4"	8-5/8"	463'	300					
7-7/8"	4-1/2"	7456'	1950					
	2-3/8"	7032'						

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
1569 (AOF 1585)	3 hr.		
Testing Method (pitot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size
Open Flow	2485 psig	Packer	3/4"

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

ORIGINAL SIGNED BY
D. A. WILDER

(Signature)

Area Engineer

(Title)

October 13, 1970

(Date)

OIL CONSERVATION COMMISSION

APPROVED OCT 14 1970, 19
BY Original Signed by Emery C. Arnold
TITLE SUPERVISOR DIST. #3

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

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	GAS
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NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Eff. 2-1-70
Pan American Petro. Corp.
has changed its name to
AMOCO PROD. CO.

Operator	
PAN AMERICAN PETROLEUM CORPORATION	
Address	
501 Airport Drive, Farmington, New Mexico 87401	
Reason(s) for filing (Check proper box)	
New Well ☒	Change in Transporter of:
Recompletion ☐	Oil ☐ Dry Gas ☐
Change in Ownership ☐	Casinghead Gas ☐ Condensate ☐

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Jicarilla Contract 146	21	Otero Chacra	Federal	
Location			State, Federal or Fee	Indian Jicarilla
Unit Letter K ; 1710 Feet From The South Line and 1690 Feet From The West			Contract 146	
Line of Section 3 Township 25-N Range 5-W , NMPM, Rio Arriba			County	

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☐	Address (Give address to which approved copy of this form is to be sent)	
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent)	
El Paso Natural Gas Co.	P. O. Box 990, Farmington, New Mexico 87401	
If well produces oil or liquids, give location of tanks.	Unit	Sec. Twp. Rge.
		Is gas actually connected? When
		No

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X	X					
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
8-5-70	9-11-70	7456'	7363'					
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
GR 6620', RKB 6634'	Chacra	3786'	7032'					
Perforations	Depth Casing Shoe							
3786-96'	7456'							
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
12-1/4"	8-5/8"	463'	300					
7-7/8"	4-1/2"	7456'	1950					
	2-3/8"	7032'						

V. TEST DATA AND REQUEST FOR ALLOWABLE
OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
1154 (AOF 1190)	3 hr.		
Testing Method (pitot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size
Open Flow	Packer	829 psig	3/4"

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

ORIGINAL COPY OF
DATA

(Signature)

Area Engineer

(Title)

October 12, 1970

(Date)

OIL CONSERVATION COMMISSION

APPROVED

BY

TITLE PETROLEUM ENGINEER DIST. NO. 3

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.