

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYPERMIT IN T  
OTHER INSTRU  
VERSE SIDE)TE  
TCForm approved  
Budget Project No. 42 R1424  
5. LEASE IDENTIFICATION AND SERIAL NO.NM-025604  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

## 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 WELL ☐ GAS WELL ☐ OTHER2. NAME OF OPERATOR  
PAN AMERICAN PETROLEUM CORPORATION3. ADDRESS OF OPERATOR  
BOX 53, HOBBS, N. M. 882404. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

14. PERMIT NO. 986.04 FNL x 1645.38 FEL Sec. 9 (Unit B NW/4 NE/4)

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

3533 R.D.B.

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

MALCO "G" FEDERAL

9. WELL NO. 11

10. FIELD AND POOL, OR WILDCAT

EMPIRE ABO

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

G-18-27

12. COUNTY OR PARISH 13. STATE

EDDY NM

## 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.)\*

In an effort to increase production we propose to selectively stimulate perms. 5588-5602 w/ 2000 gals. 15% LSTNE and evaluate.

RECEIVED

OCT 2 1 1970

U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

TD - 5670'

PBD - 5638'

4 1/2" CSA 5675'

PERFS: 5504-5530

5588-5602

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

SIGNED

TITLE

AREA SUPERINTENDENT

DATE OCT 6 1970

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

\*See Instructions on Reverse Side

Weg 7-16  
Jan 9-530

R-27-E

Bureau No. 42-18355.4  
App. expires 12-31-60.

U. S. LAND OFFICE  
SERIAL NUMBER NM 025604  
LEASE OR PERMIT TO PROSPECT


T-18-S

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Pan American Petroleum Corporation Address P. O. Box 68 - Hobbs, New Mexico  
Lessor or Tract Malco Refineries "G" Field Empire Abo State New Mexico  
Well No. 11 Sec. 9 T. 18-S R. 27-E Meridian NMPM County Eddy  
Location 986.04 ft. S. of N. Line and 1645.38 ft. W. of E Line of Section 9 Elevation 3533 RDB  
(Elevation floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon  
so far as can be determined from all available records.  
Signed J. W. BROWN Original Signed by

Date October 6, 1959 Title Area Superintendent

The summary on this page is for the condition of the well at above date.

Commenced drilling 9-10, 19 59 Finished drilling 9-30, 19 59

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5205 to 5625 No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated	Purpose
8-5/8	24#	8R	J-55	1488	Guide			Surface
4-1/2	9.5#	8R	J-55	5683	"		5504 5602	Oil string

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	1490	Circulated	Pump		
4-1/2	5669	850	Pump		

PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
Adapter—Material \_\_\_\_\_ Size \_\_\_\_\_

FOLD MARK

K-2/a	3609	850	A map		(S)

## PLUGS AND ADAPTERS

Heaving plug—Material ..... Length ..... Depth set .....

Adapters—Material ..... Size .....

## SHOOTING RECORD

[illegible]

## TOOLS USED

Rotary tools were used from 0 feet to 5670 TD feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

October 5, 1959

Put to producing October 2, 1959

The production for the first 24 hours was 82 barrels of fluid of which 100 % was oil; ----- % emulsion; ----- % water; and ----- % sediment. Gravity, °Bé. 42°

If gas well, cu. ft. per 24 hours ..... Gallons gasoline per 1,000 cu. ft. of gas .....

Rock pressure, lbs. per sq. in. ....

## EMPLOYEES

EMPLOYEES	
D. H. Hobsan	Driller
E. A. Hall	Driller
R. E. Palmour	Driller
O. L. Jamison	Driller

## FORMATION RECORD

FROM--	TO--	TOTAL FEET	FORMATION
0	715	715	Anhy and Gyp Tops
715	776	61	Anhy and <del>Gyp</del> / Lime Queens 800'
776	955	179	Anny and Gyp San Andres 1495'
955	1236	281	Anhy Glorietta 2938'
1236	1490	254	Anhy and Lime Abo 5205'
1490	3922	2432	Lime
3922	3998	76	Lime and Sand
3998	4733	735	Lime
4733	4798	65	Dolomite and Chert
4798	5144	346	Dolomite and Lime
5144	5202	58	Lime and G. Shale
5202	5670 TD	468	Lime

JUL 11 1965  
10

**[OVER]**

1A-42094-

# HISTORY OF OIL OR GAS WELL

16-43046-2 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

TD 5870' PB 5638' Completed 10-3-59 as an Empire Abo Pool flowing oil well  
On Potential Test well flowed 82 BO, no water in 24 hours, on 9/64" choke,  
TPF 695, GOR 232, Acidized with 3,000 gallons 15% regular acid.

## INITIAL WELL LOGGING DATA

## LOG ON CVD SURVEY OR NOTES

10-3-59

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

PERMIT IN T  
(Must be attached  
to every side)

1. NAME OF WELL  
 2. NAME OF OPERATOR  
 3. NAME OF COMPANY  
 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.  
 Show on space 17 below.)  
 At surface

5. LEASE IDENTIFICATION AND SERIAL NO.  
 NM-025604  
 6. IF IRON, ALLOYED OR TRADE NAME

7. UNIT ACQUISITION NAME  
 8. FARM OR LEASE NAME  
 MALCO G. Federal  
 9. WELL NO.  
 11  
 10. FIELD AND POOL, OR WILDCAT  
 EMPIRE A-30  
 11. SEC., T., R., M., OR BLK. AND  
 SURVEY OR AREA  
 9-18-27  
 12. COUNTY OR PARISH  
 EDDY  
 13. STATE  
 NM

14. ELEVATIONS (Show whether DT, RT, CR, etc.)  
 3533' R.D.B.

15. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

In an effort to increase productivity  
 selectively stimulated perf 5588-5602 w/ 2000  
 gal 15% LSTNE. Evaluated and restored to prod.  
 Prior. Flow 173 BO x O BW 24 hrs. GOR 2682.  
 After. " 155 BO x O BW 24 hrs. GOR 1591.

TD- 5570'  
 PDB- 5633'  
 4 1/2" CSH 5670'  
 PERFS: 5584-5600'  
 5588-5602'

OC- 10-8-70  
 COMP- 10-13-70

RECEIVED  
 OCT 19 1970  
 U. S. GEOLOGICAL SURVEY  
 ALBUQUERQUE, NEW MEXICO

I hereby certify that the foregoing is true and correct  
 SIGNED \_\_\_\_\_  
 (Print name for Federal or State office use)

TITLE AREA SUPERINTENDENT  
 DATE OCT 19 1970

APPROVED  
 OCT 23 1970  
 R. L. BEEKMAN  
 ACTING DISTRICT ENGINEER

Submit Notice of Intention to  
 acidize as per phone call  
 to Mr. Staley on 10-20-70

NEW MEXICO OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICOForm C-110  
Revised 7/1/55

(File the original and 4 copies with the appropriate district office)

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

RECEIVED

SEP 19 1960

Company or Operator Pan American Petroleum Corporation Lease USA Hobbs, New MexicoWell No. 11 Unit Letter B S 9 T 18 R 27 Pool Empire AboCounty Eddy Kind of Lease (State, Fed. or Patented) FederalIf well produces oil or condensate, give location of tanks: Unit N S 3 T 18 R 27Authorized Transporter of Oil or Condensate Service Pipe Line CompanyAddress Box 337, Midland, Texas  
(Give address to which approved copy of this form is to be sent)Authorized Transporter of Gas Empire Abo Gasoline PlantAddress c/o Pan American Petro. Corp. Box 63, Hobbs, NM Date Connected 9-2-60  
(Give address to which approved copy of this form is to be sent)

If Gas is not being sold, give reasons and also explain its present disposition:

Reasons for Filing: (Please check proper box) New Well ( )Change in Transporter of (Check One): Oil ( ) Dry Gas ( ) C'head (x) Condensate ( )Change in Ownership ( ) Other ( )Remarks: (Give explanation below)

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 11th day of September 19 60Original Signed by  
J. W. BROWN

By \_\_\_\_\_

Approved \_\_\_\_\_ 19 \_\_\_\_\_

Title Area Superintendent

OIL CONSERVATION COMMISSION

Company Pan American Petroleum Corp.By M. J. ArmstrongAddress Box 63

Title \_\_\_\_\_

Hobbs, New Mexico

District I  
PO Box 1908, Hobbs, NM 88241-1908  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1606 Rio Brazos Rd., Amar, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-104  
Revised February 10, 1994  
Instructions on back  
Submit to Appropriate District Office  
5 Copies  
AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Operator name and Address ARCO Permian A Unit of Atlantic Richfield Co. P.O. Box 1710 Hobbs, NM 88240		OGRID Number 000990
Reason for Filing Code JUN 1 284 CH		
API Number 30 - 0 15-06847	Pool Name Empire ABO	Pool Code 22040
Property Code 001476	Property Name Empire ABO Unit "M"	Well Number 7

II. Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South Line	Feet from the	East/West Line	County
B	9	18S	27E		986.04	N	1645.38	E	Eddy

Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South Line	Feet from the	East/West Line	County
Loc Code F	Producing Method Code F	Gas Connection Date	C-129 Permit Number	C-129 Effective Date	C-129 Expiration Date				

III. Oil and Gas Transporters

Transporter OGRID	Transporter Name and Address	POD	O/G	POD ULSTR Location and Description
000734	AMOCO Pipeline 502 NW Avenue Levelland, TX 79336	2811057	0	D-10- A-3-185-27E
000756	AMOCO Production Co. P.O. Box 68 Hobbs, NM 88240	2511046	G	M-3-185-27E
009171	GPM Gas Corp. 4001 Penbrook Odessa, TX 79760	2811046	G	"

IV. Produced Water

POD	POD ULSTR Location and Description

V. Well Completion Data

Spud Date	Ready Date	TD	PSTD	Perforations
Hole Size	Casing & Tubing Size	Depth Set	Sacks Cement	

VI. Well Test Data

Date New Oil	Gas Delivery Date	Test Date	Test Length	Tbg. Pressure	Csg. Pressure
Choke Size	Oil	Water	Gas	AOP	Test Method

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

Signature: *Kellie D. Murrish*

Printed name: Kellie D. Murrish

Title: Records Clerk II

Date: 6-1-94

Phone: 505-391-1649

OIL CONSERVATION DIVISION

Approved by: SUPERVISOR, DISTRICT II

Title:

Approval Date: JUN - 6 1994

If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature

Printed Name

Title

Date

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION  
H2S REPORTING FORM  
DIVISION RULE 118

OPERATOR: ARCO Oil and Gas Company  
ADDRESS: P.O. Box 1710, Hobbs, NM 88240

Empire Abo Unit  
(Pool, Plant, or  
FACILITY NAME)

Lease, Plant or Facility	Well No.	Sampling Point (Tank, Separator, etc.)	Location USTR	Name of Tester	Test Method	Test Date	H2S Concentration (Report in PPM) Vol. if available
Empire Abo Unit M-9 Battery	K-9	Gas Stream	M-3-18S-27E	D. Conklin	Gas Tec	10/90	21,800 ppm, 6,400 mcf
	K-10						
	L-9						
	L-10						
	L-111						
	M-7						
	M-8						
	M-9						
	M-101						
	N-7						
	N-9						
	N-10						
	N-901						
	O-7						
	O-8						
	P-8						
	P-9						

Signed:   
Title: Measurement Supervisor

DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	1
PRORATION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

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

RECEIVED

Operator	ARCO Oil and Gas Company - Division of Atlantic Richfield Company		MAR 14 1979
Address	P. O. Box 1710, Hobbs, New Mexico 88240		
Reason(s) for filing (Check proper box)	Other (Please explain)	O.C.C. ARTESIA, OFFICE	
New Well <input type="checkbox"/>	Change in Transporter of:	Change in Operator Name effective: 4-1-79	
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/>		
Change in Ownership <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/>	Dry Gas <input type="checkbox"/>	
		Condensate <input type="checkbox"/>	

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
Empire Abo Unit "M"	7	Empire Abo	State, Federal or Fee <u>Federal</u>
Location			
Unit Letter <u>B</u>	<u>986.04</u> Feet From The <u>North</u> Line and <u>1645.38</u> Feet From The <u>East</u>		
Line of Section <u>9</u>	Township <u>18S</u>	Range <u>27E</u>	NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
Amoco Pipeline Company	2300 Continental National Bank Bldg. Ft. Worth, Texas 76102					
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
Amoco Production Company Phillips Petroleum Company	P.O. Drawer A, Levelland, Texas 79338 4001 Penbrook, Odessa, Texas 79760					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	M	3	18	27	yes	AMO & PP 9-3-60

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.
Date Spudded	Date Compl. Ready to Prod.	Total Depth		P.B.T.D.				
No Change								
Pool	Name of Producing Formation	Top Oil/Gas Pay		Tubing Depth				
Perforations						Depth Casing Shoe		
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

V. TEST DATA AND REQUEST FOR ALLOWABLE (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.)	
No Change			
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
Testing Method (pitot, back pr.)	Tubing Pressure	Casing Pressure	Choke Size

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.

George V. Parks  
(Signature)  
District Prod & Drlg Supt.  
(Title)  
3-7-79  
(Date)

OIL CONSERVATION COMMISSION

APPROVED APR 6 1979  
BY W. A. Gussert  
TITLE SUPERVISOR, DISTRICT II

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

DATE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COM

JUL 27 1977

O. C. C.  
ARTESIA, OFFICEG.O.P. 11-1-65  
Effective 11-6550. Indicate Type of Lease  
State ☒ Free  
5. State Oil & Gas Lease No.

## SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO RE-OPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.  
USE APPLICATION FOR PERMIT TO DRILL (POST CARD) FOR OTHER PROPOSALS.

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>
2. Name of Operator Atlantic Richfield Company
3. Address of Operator P.O. Box 129 Artesia, New Mexico 88210
4. Location of Well UNIT LETTER <u>M</u> <u>660</u> FEET FROM THE <u>North</u> LINE AND <u>1980</u> FEET FROM THE <u>West</u> LINE, SECTION <u>9</u> TOWNSHIP <u>18-S</u> RANGE <u>27-E</u> N.M.P.M.

7. Unit Agreement Name Empire Abo Unit
6. Name of Lease Name EAU "M"
9. Well No. 7
10. Field and Pool, or Wellcut ABO
12. County EDDY

15. Elevation (Show whether DT, RT, GR, etc.)  
RDB 3533'Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	

OTHER Piping braden head to surface.

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Piping braden head to surface.

6/30/77  
mw

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

SIGNED D. H. Smith TITLE Dist. Prod. Supervisor DATE 7-1-77APPROVED BY M. R. Williams TITLE OIL AND GAS INSPECTOR DATE JUL 27 1977

NOTIONS OF APPROVAL, IF ANY:

DISTRIBUTION			
SANTA FE			
FILE			
U.S.G.S.			
LAND OFFICE			
TRANSPORTER	OIL		
	GAS		
OPERATOR			
PRORATION OFFICE			

NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes Old C-104 and C-11  
Effective 1-1-65

RECEIVED

DEC 4 1975

I. Operator  
Atlantic Richfield Company ✓  
Address  
P. O. Box 1710, Hobbs, New Mexico 88240  
Reason(s) for filing (Check proper box)  
New Well ☐ Change in Transporter of:  
Recompletion ☐ Oil ☐ Dry Gas ☐  
Change in Ownership ☐ Casinghead Gas ☒ Condensate ☐  
Other (Please explain)  
Change in location of tank battery  
Effective: 11/01/75  
If change of ownership give name  
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Empire Abo Unit "M"	Well No. 7	Pool Name, Including Formation Empire Abo	Kind of Lease State, Federal or Fee Federal	Lease No. NM025604
Location Unit Letter B ; 986.04 Feet From The North Line and 1645.38 Feet From The East Line of Section 9 Township 18S Range 27E , NMPM, Eddy County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Amoco Pipeline Company	Address (Give address to which approved copy of this form is to be sent) 2300 Cont. Nat'l Bk. Bldg. Ft. Worth, TX 76102			
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/> Phillips Petroleum Company Amoco Production Company	Address (Give address to which approved copy of this form is to be sent) Phillips Bldg., 4th & Wash., Odessa, TX 79760 P. O. Box 367, Andrews, TX 79714			
If well produces oil or liquids, give location of tanks.	Unit M	Sec. 3	Twp. 18S	Rge. 27E
Is gas actually connected?		When		
Yes		09/03/60		

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.
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.		
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth		
Perforations						Depth Casing Shoe		

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

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
Testing Method (pitot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size

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.

A. L. Shackelford  
(Signature)  
Accountant I  
(Title)  
December 1, 1975  
(Date)

OIL CONSERVATION COMMISSION  
DEC 18 1975

APPROVED \_\_\_\_\_ 19\_\_\_\_  
BY W. A. Gressett  
TITLE SUPERVISOR, DISTRICT II

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.

SANTA FE			
ILE			
S.G.S.			
AND OFFICE			
TRANSPORTER	OIL		
	GAS		
OPERATOR			
PRORATION OFFICE			

NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

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

RECEIVED

SEP 26 1973

I. Operator Atlantic Richfield Company  
Address P. O. Box 1710, Hobbs, New Mexico 88240  
Reason(s) for filing (Check proper box)  
New Well ☐ Change in Transporter of:  
Recompletion ☐ Oil ☐ Dry Gas ☐  
Change in Ownership ☒ Casinghead Gas ☐ Condensate ☐  
Other (Please explain) Included in Empire Abo Unit eff: 10-1-73. Change in lease name from MALCO G Federal #11.  
If change of ownership give name and address of previous owner AMOCO Production Company P. O. Box 68, Hobbs, New Mexico

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Empire Abo Unit M	7	Empire Abo	State, Federal or Fee Federal	
Location				
Unit Letter	B	986.04 Feet From The	North	Line and 1645.38 Feet From The
Line of Section	9	Township	18S	Range 27E, NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
AMOCO Pipe Line Company	2300 Continental Bk.Bldg., Ft. Worth, Tex. 761					
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
AMOCO Production Company	P. O. Box 68, Hobbs, New Mexico 88240					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	N	3	18S	27E	yes	9-3-60

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'
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

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
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

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.

Sr. Acctg. Clerk  
9-26-73  
(Date)

OIL CONSERVATION COMMISSION

APPROVED SEP 28 1973  
BY W. A. Gressett  
TITLE OIL AND GAS INSPECTOR

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 deviated 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 multiphase completed wells.

Form C-110  
Revised 7/1/55

**CERTIFICATE OF COMPLIANCE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS**

**Title** \_\_\_\_\_

NEW MEXICO OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

Form C-110  
Revised 7/1/55

(File the original and 4 copies with the appropriate district office)

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

Company or Operator Pan American Petroleum Corporation Lease Malco Refineries Co

Well No. 11 Unit Letter B S 9 T-18-S R-27-E Pool Empire Abo

County Eddy Kind of Lease (State, Fed. or Patented) Federal

If well produces oil or condensate, give location of tanks: Unit C S 11 T-18-S R-27-E

Authorized Transporter of Oil At/Condensate Service Pipe Line Co.

Address Box 337, Midland, Texas

(Give address to which approved copy of this form is to be sent)

Authorized Transporter of Gas Vented and being flared

Address \_\_\_\_\_ Date Connected \_\_\_\_\_

(Give address to which approved copy of this form is to be sent)

If Gas is not being sold, give reasons and also explain its present disposition:

Reasons for Filing: (Please check proper box) New Well (X)

Change in Transporter of (Check One): Oil ( ) Dry Gas ( ) C'head ( ) Condensate ( )

Change in Ownership \_\_\_\_\_ ( ) Other \_\_\_\_\_ ( )

Remarks: \_\_\_\_\_ (Give explanation below)

Completed as a flowing oil well 10-3-59.

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 5 day of October 19 59

By \_\_\_\_\_ Original Signed by  
J. W. BROWN

Approved October 8, 1959

Title Area Superintendent

OIL CONSERVATION COMMISSION

Company Pan American Petroleum Corporation

By M. L. Armstrong

Address P. O. Box 68

Title Oil and Gas Inspector

Hobbs, New Mexico

(Form C-104)  
Revised 7/1/57

## New Well

Hobbs, New Mexico ..... October 5, 1959  
(Place) ..... (Date)

Eddy.....County. Date Spudded...9-10-59..... Date Drilling Completed 9-30-59.....

Elevation 3533 RDB Total Depth 5670 PBTD 5638

Gas Transporter Vented and being flared

Address: P. O. Box 68 - Hobbs, New Mexico

APPROVED  
/S/ James A. Anlauf  
District Engineer (SUBMIT IN TRIPLICATE)

Budget Bureau No. 42-R358.4.  
Approval expires 12-31-60.

		*	

October 8, 1959

UNITED STATES

DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office

Lease No. NM 025604

Unit

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	X
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Malco Refineries "G"

October 5, 1959

Well No. 11 is located 986.04 ft. from  $\begin{matrix} N \\ S \end{matrix}$  line and 1645.38 ft. from  $\begin{matrix} E \\ W \end{matrix}$  line of sec. 9

NW/4 - NE/4, Sec. 9  
(1/4 Sec. and Sec. No.)

T-18-S, R-27-E  
(Twp.) (Range)

NMPM  
(Meridian)

Empire Abo  
(Field)

Eddy  
(County or Subdivision)

New Mexico  
(State or Territory)

The elevation of the derrick floor above sea level is 3533 ft. RDB

### DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work)

On 10-1-59, 4-1/2" 9.5# J-55 Casing was run and set at 5670' and cemented with 650 Sx 8% Gel plus 100 Sx 2% Gel and 100 Sx Pozmix S. After WOC 24 hours, pump tested casing with 3800 psi for 30 minutes with no loss in pressure. Completion operations resumed.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Pan American Petroleum Corporation

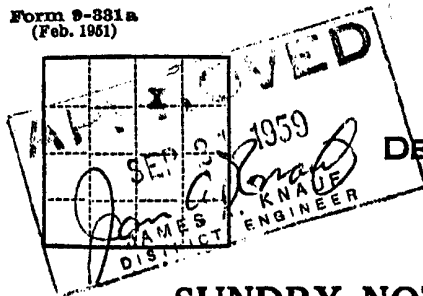
Address P. O. Box 68

Hobbs, New Mexico

Original Signed by  
J. W. BROWN

By

Title Area Superintendent



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office

Lease No.

Unit

RECEIVED	
PAN AMERICAN PETROLEUM CORP.	
SEP 23 1959	
HOBBS, N. M.	
AS	
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## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Malco Refineries "C"

September 17, 1959

Well No. 11 is located 986.04 ft. from {N} line and 1645.38 ft. from {E} line of sec. 9

NW/4-NW/4, Sec. 9  
(1/4 Sec. and Sec. No.)T-18-S, R-27-E  
(Twp.) (Range)NMPM  
(Meridian)Empire Abo  
(Field)Eddy  
(County or Subdivision)New Mexico  
(State or Territory)

The elevation of the derrick floor above sea level is ft. Not yet available

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work)

On 9-10-59 a 11" hole was spudded and drilled to a depth of 1490', on 9-13-59, 1488' of J-55 24# casing was run and set at 1490' with 700 sx cement circulated. After WOC 48 hours pump tested casing with 1000 PSI for 30 minutes with no drop in pressure. Reduced hole to 7-7/8" at 1490' and resumed drilling operations.

RECEIVED

SEP 21 1959

U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Pan American Petroleum Corporation

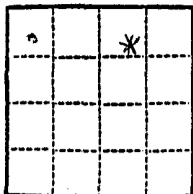
Address P. O. Box 68

Hobbs, New Mexico

Original Signed by  
J. W. BROWN

By

Title Area Superintendent



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office .....

Lease No. NM 025604

Unit .....

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

USA MALCO REFINERIES "G"September 14, 1959Well No. 11 is located 986.04 ft. from N line and 1645.38 ft. from E line of sec. 9NW/4 NW/4 Section 9 T-18-S R-27-E NMPM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)Empire Abo Eddy New Mexico  
(Field) (County or Subdivision) (State or Territory)The elevation of the derrick floor above sea level is ..... ft. Not Yet Available

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

This supercedes Form 9-331a dated 9-1-59. Proposed location has been changed from 660' FNL and 1980' FEL Section 9, to the above. The well will be drilled from surface to total depth with rotary tools to test the Abo Formation. Proposed casing program as follows:

Est Depth	Casing Size	Hole Size	Sx Cement
1500'	8-5/8" - 21#	11"	Circulated
5900'	4-1/2" - 9.5#	7-7/8"	650 ax 2 1/2 Gel + 200 ax 50-50 Inacr + Poamix "S"

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company PAN AMERICAN PETROLEUM CORPORATIONAddress POST OFFICE BOX 68HOBBBS, NEW MEXICOBy .....  
Original Signed by  
J. W. BROWNTitle AREA SUPERINTENDENT

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

FORM C-12  
Revised 5/1/5

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

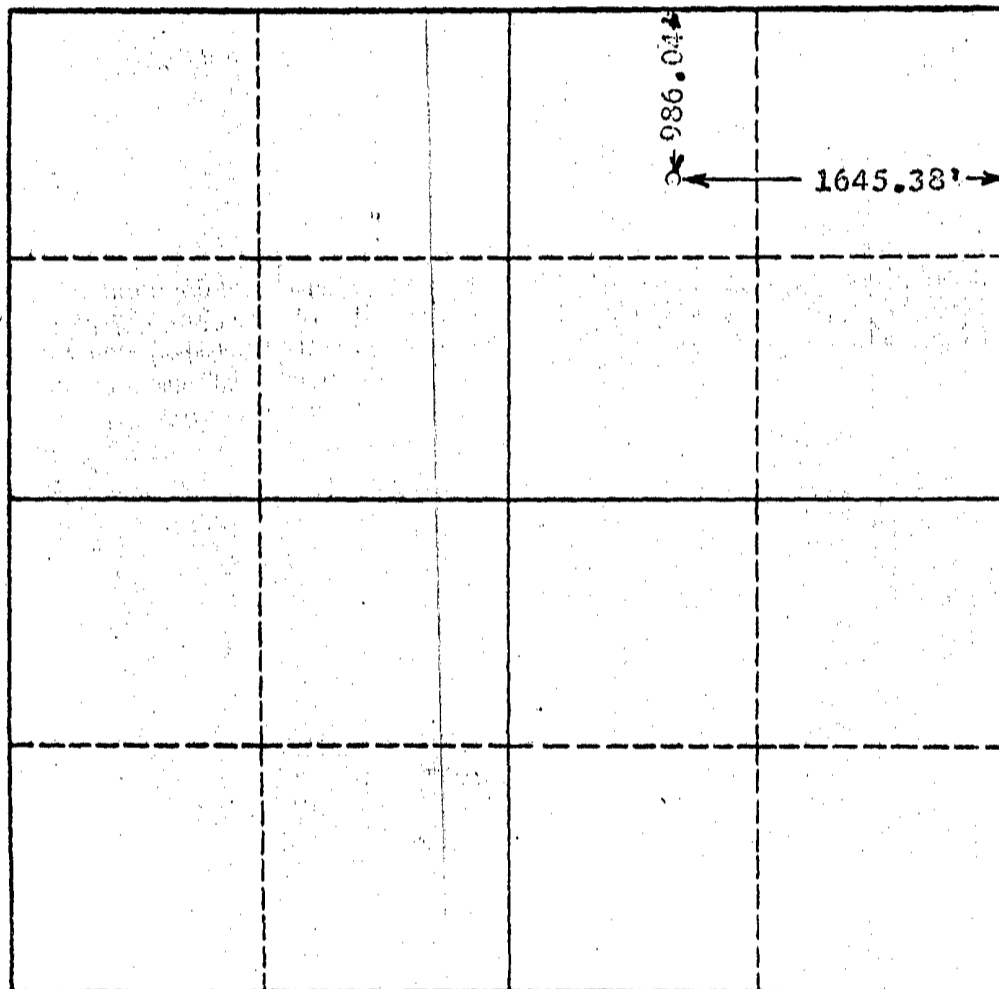
SECTION A

Operator Pan American Petroleum Corp			Lease U. S. A. Malco Refineries "G"		Well No. 11
Unit Letter B	Section 9	Township 18 South	Range 27 East	County Eddy	
Actual Footage Location of Well: 986.04 feet from the North line and 1645.38 feet from the East line					
Ground Level Elev. Not Yet Avail.		Producing Formation Abo		Pool Empire Abo	Dedicated Acreage: 40 Acres

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES ☒ NO ☐ ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES ☐ NO ☐ . If answer is "yes," Type of Consolidation \_\_\_\_\_
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description

SECTION B



CERTIFICATION

I hereby certify that the information in SECTION A above is true and complete to the best of my knowledge and belief.

Name	Original Signed by J. W. BROWN
Position	Area Superintendent
Company	Pan American Petr. Corp.
Date	9-14-59

I hereby certify that the well location shown on the plat in SECTION B 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	Sept. 5, 1959
Registered Professional Engineer and/or Land Surveyor, JOHN W. WEST	
Certificate No.	N.M. - P.E. & L.S. NO. 676

Important-Read Instructions on Back Before Filling Out This Form

APPLICATION FOR PERMIT  
TO DRILL FOR OIL

(required in artesian underground basins only)

Application No. \_\_\_\_\_ Book \_\_\_\_\_ Date Received \_\_\_\_\_

1. Name of applicant Pan American Petroleum Corporation  
Post Office address Box 68; City or Town Hobbs  
County of Eddy, State of New Mexico

2. Well is to be drilled under contract for Pan American Petroleum Corporation  
(self or company)  
and is to be known as the USA Misco Refineries #11 well,

3. The well is to be located in the NW 1, NE 1,  
of Section 9, Township 18-S, Range 27-E, N. M. P. M.  
on land owned by Bogle Farms, Inc of Dexter, New Mexico

4. Description of well: Depth to be drilled 5900' Approx feet;  
Casing and cementing program as follows:

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	NEW OR USED	DEPTH FEET	HANDED OR CEMENTED	SACKS OF CEMENT
11"	8-5/8"	24.8	NEW	1500	CEMENTED	CIRCULA- TED
7-7/8 or 6-3/4"	4-1/2"	9.54	NEW	5900'	CEMENTED	750

5. Notice of intention ☒ (has) \_\_\_\_\_ (has not) been filed with the Oil and Gas Conservation Commission or the U. S. Geological Survey.

6. Conformance bond ☒ (has) \_\_\_\_\_ (has not) been filed and approved with the Oil and Gas Conservation Commission.

7. Time required to commence construction 7 days  
Time required to complete the works 30 days

8. Additional statements or explanations:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

I, J. W. Brown, being first duly sworn upon my oath,  
depose and say that I have carefully read the foregoing statement and each and all of the items  
contained therein, and that the same are true to the best of my knowledge and belief.

Original Signed by

J. W. BROWN

Area Superintendent applicant

Subscribed and sworn to before me this 1 day of September,  
A. D., 19 59.

My commission expires \_\_\_\_\_

Notary Public

# APPROVAL OF THE STATE ENGINEER

Number of this permit 0-2-E-324  
 Recorded in Book 0-2-E-2  
 Page 324

Date received corrected \_\_\_\_\_  
 Application received September 8, 1959  
 Date returned for correction \_\_\_\_\_

This application is approved subject to the prior approval of the Oil and Gas Conservation Commission and provided that the applicant complies with all rules and regulations of the State Engineer pertaining to the drilling of wells, and further provided, that casing shall not be run or cemented except in the presence of a representative of the State Engineer's Office.

Works shall be completed and completion or plugging report filed on or before September 30, 1960

This is to certify that I have examined the above application for permit to drill for oil in an artesian underground basin of the State of New Mexico and hereby approve the same subject to the foregoing provisions and conditions.

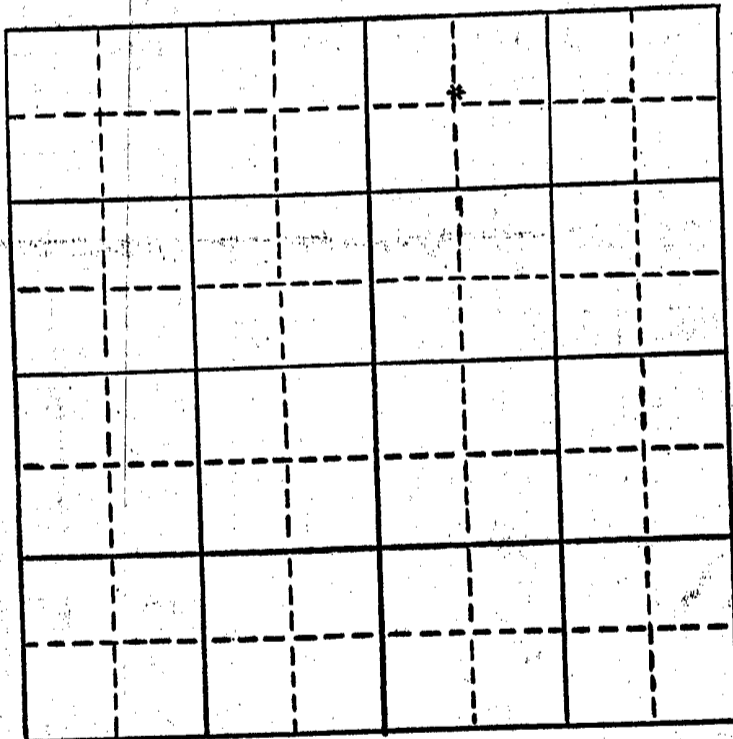
Witness my hand and seal this 11th day of September, A. D., 19 59.

S. E. Reynolds  
 State Engineer

By: /s/ D. E. Gray - Engineer  
 Chief, Water Rights Division

LOCATE WELL AS ACCURATELY AS POSSIBLE ON FOLLOWING PLAT:

Section (s) 9, Township -18-S, Range -27-E N.M.P.M.



## INSTRUCTIONS

This form shall be executed, preferably typewritten, in triplicate.  
 Each of triplicate copies must be properly signed and attested.

A separate application for permit must be filed for each well used.

Secs. 1-4----Fill out all blanks fully and accurately.

Sec. 7-----Estimate time reasonably required to commence and to complete project.  
 If additional space is necessary, use a separate sheet or sheets and attach securely hereto.

Drilling shall not commence until approval of the State Engineer is obtained.  
 All casing shall be inspected and approved by a representative of the State Engineer before use.

If well proves to be non-productive the well shall be plugged under the supervision of the State Engineer or his representative.

Log of well shall be filed with the District Supervisor, Box 810, Roswell, New Mexico, upon completion.

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office

Lease No. NM 025604

Unit

RECEIVED  
PAN AMERICAN  
PETROLEUM CORP.  
SEP 21 1959  
HOBBES, N. M.

AS	
AC	
AE	
AF	
AG	
AH	
AI	
AJ	
AK	
AL	

JAMES A. KNAUF

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

USA MALCO REFINERIES "G"

September 14, 1959

Well No. 11 is located 986.04 ft. from N line and 1645.38 ft. from E line of sec. 9

NW/4 NW/4 Section 9	T-18-S	R-27-E	NMPM
(1/4 Sec. and Sec. No.)	(Twp.)	(Range)	(Meridian)
Empire Abo	Eddy		New Mexico
(Field)	(County or Subdivision)		(State or Territory)

The elevation of the derrick floor above sea level is ..... ft. Not Yet Available

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

This supercedes Form 9-331a dated 9-1-59. Proposed location has been changed from 660' FNL and 1960' FEL Section 9, to the above. The well will be drilled from surface to total depth with rotary tools to test the Abo Formation. Proposed casing program as follows:

Est Depth	Casing Size	Hole Size	Sx Cement
1500'	8-5/8" - 24#	11"	Circulated
5900'	4-1/2" - 9.5#	7-7/8"	650 sx 2% Gel + 200 sx 50-50 Incor + Pozmix "S"

APPROVAL IS SUBJECT TO STATE  
ENGINEERS REGISTRATION BOARD  
ON "APPLICATION FOR PERMIT TO  
DRILL FOR OIL" IN WATER BASIN.  
BOX 810, ROSWELL, NEW MEXICO

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company PAN AMERICAN PETROLEUM CORPORATION

Address POST OFFICE BOX 68

HOBBES, NEW MEXICO

RECEIVED

Original Signed by  
J. W. BROWN

SEP 17 1959

By .....  
Title AREA SUPERINTENDENT U. S. GEOLOGICAL SURV  
ALBUQUERQUE, NEW MEXICO



STATE OF NEW MEXICO

STATE ENGINEER OFFICE

ROSWELL

S. E. REYNOLDS  
STATE ENGINEER

September 14, 1959

ADDRESS CORRESPONDENCE TO:  
P. O. BOX 810  
ROSWELL, NEW MEXICO

FILE: 0-2-E-324

Pan American Petroleum Corporation  
Box 68  
Hobbs, New Mexico

MAKCO G #11

Gentlemen:

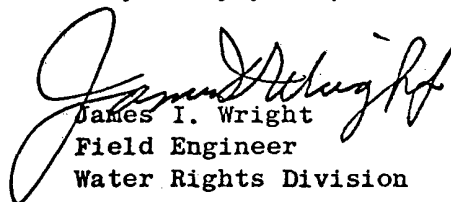
Enclosed is a copy of Application for Permit to Drill for Oil,  
No. 0-2-E-324, which has been approved.

Please submit to this office copies of any of the following  
records made in connection with the above mentioned oil well:

1. Radioactivity Log or Electric Log
2. Temperature Log
3. Well Record and/or Sample Description Log
4. Water Analysis from Drill Stem Test

In the event that this well is to be abandoned, the plugging  
program must be approved by this office and the Oil Conservation  
Commission. The plugging of the well shall be witnessed by a  
representative of this office.

Very truly yours,

  
James I. Wright  
Field Engineer  
Water Rights Division

JIW:wms

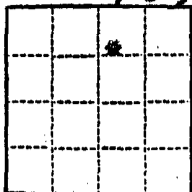
encl: Application (3)

cc: State Engineer

/s/ James A. K. I  
District Engineer  
9-8-59

(SUBMIT IN TRIPLICATE)

Budget Bureau No. 42-R388.4.  
Approval expires 12-31-60.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office \_\_\_\_\_

Lease No. NM-025604

Unit \_\_\_\_\_

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

USA Maseo Refineries "C"

September 1, 1959

Well No. 11 is located 660 ft. from N line and 1990 ft. from E line of sec. 9

NW 1/4 of NE 1/4 Sec 9 T-18-S, R-27-E NMPM  
(Sec. and Subsec. No.) (Twp.) (Range) (Meridian)  
Empire Eddy New Mexico  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is \_\_\_\_\_ ft. Not Yet Available

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

We propose to drill a 5900' ABO test well, using rotary tools to total depth. Proposed casing program as follows:

EST DEPTH	CASING SIZE	HOLE SIZE	SX CEMENT
1500'	8-5/8"	11"	2% gel circulated w/100 Sment on bottom
5900'	4 1/2"	7-7/8" or 6-3/4"	750 Sx 2% gel + 100 Sx 50- 50 Pasmix "S"

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Pan American Petroleum Corporation

Address Box 68

Hobbs, New Mexico

Original Signed by  
J. W. BROWN

By \_\_\_\_\_

Title Area Superintendent

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

FORM C-128  
Revised 5/1/57

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

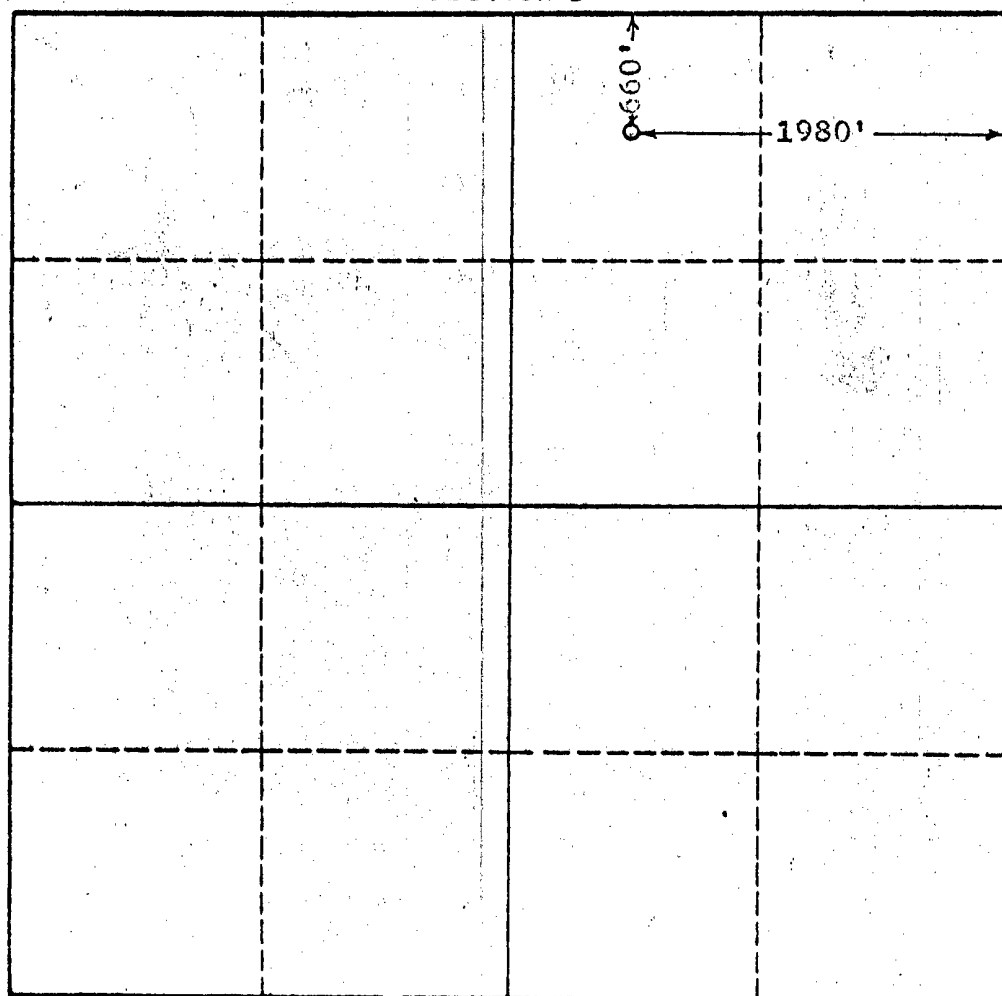
SECTION A

Operator Pan American Pet. Corp.			Lease USA Malco Refineries "C"			Well No. 11		
Unit Letter B	Section 9	Township 18 S	Range 27 E	County Eddy				
Actual Footage Location of Well: 660 feet from the North line and 1980 feet from the East line								
Ground Level Elev. not yet available	Producing Formation MS		Pool MS		Dedicated Acreage: 40 Acres			

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES ☒ NO ☐ ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communization agreement or otherwise? YES ☒ NO ☐ If answer is "yes," Type of Consolidation \_\_\_\_\_
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description

SECTION B



CERTIFICATION

I hereby certify that the information in SECTION A above is true and complete to the best of my knowledge and belief.

Name Original Signed by J. W. BROWN
Position Area Superintendent
Company Pan American Petroleum Corp.
Date September 2, 1959

I hereby certify that the well location shown on the plat in SECTION B 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 8-27-59
Registered Professional Engineer and/or Land Surveyor, JOHN W. WEST <i>John W. West</i>
Certificate No. N. M. - P. E. & L. S. NO. 676