Form 9-331 b
(April 1952)

			X

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R359.4.
Approval expires 12-31-60.

Indian Agency
Navajo Tribe
Allottee 8479
Lease No. I-149-IND-8476

SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED
OCT 8 1963
OIL CON. COM.
DIST. 3

NOTICE OF INTENTION TO DRILL	X	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 REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING 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)

Gallegos Canyon Unit — Farmington, New Mexico October 4, 1963

Well No. 166 is located 1615 ft. from {N/S} line and 925 ft. from {E/W} line of sec. 6

NE/4 SE/4 Section 6 (¼ Sec. and Sec. No.) — T-27N (Twp.) — R-12W (Range) — N.M.P.M. (Meridian)

Basin Dakota (Field) — San Juan (County or Subdivision) — New Mexico (State or Territory)

The elevation of the derrick floor above sea level is .... ft. (To be reported later.)

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 the above well to approximately 6000' with rotary tools to evaluate the Dakota zone. Stimulation and completion will be as indicated upon reaching total depth. The following casing program is proposed:

SIZE	DEPTH	CEMENT	REMARKS
8-5/8"	300'	225 sx.	Circulate to surface.
4-1/2"	6000'	First Stage	700 sacks 4% Gel with 1-1/2# Tuf Plug per sack, 150 sacks neat on bottom.
		Second Stage	450 sacks 4% Gel cement.

Two stage tool to be set at about 200' above Mesaverde. A copy of any survey taken will be submitted upon completion of well. Copies of location plat are attached.

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 480
Farmington, New Mexico

Fred L. Nabors
District Engineer

ok/KB

By ORIGINAL SIGNED BY F. H. HOLLINGSWORTH

Title

Verbally approved 10-4-63 Baier to Hollingsworth.

Form C-128 (6-57)

NEW MEXICO OIL CONSERVATION COMMISSION

Well Location and Acreage Dedication Plat

Section A.

Date: October 4, 1963

Operator: PAN AMERICAN PETROLEUM CORPORATION Lease: GALLEGOS CANYON UNIT

Well No. 146 Unit Letter I Section 6 Township 27 NORTH Range 12 WEST NMPM

Located 1615 Feet From the SOUTH Line 925 Feet From the EAST Line

County SAN JUAN G. L. Elevation REPORT LATER Dedicated Acreage ~~320~~ E 319.97 Acres

Name of Producing Formation DAKOTA Pool BASIN DAKOTA

1. Is the operator the only owner in the dedicated acreage outlined on the plat below?

Yes ____ No X

2. If the answer to question one is "no", have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes X No ____ If answer is "yes" Type of Consolidation

Gallegos Canyon Unit

3. If the answer to question two is "no", list all the owners and their respective interests below.

Owner	Land Description

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Section B

Note: All distances must be from outer boundaries of section.

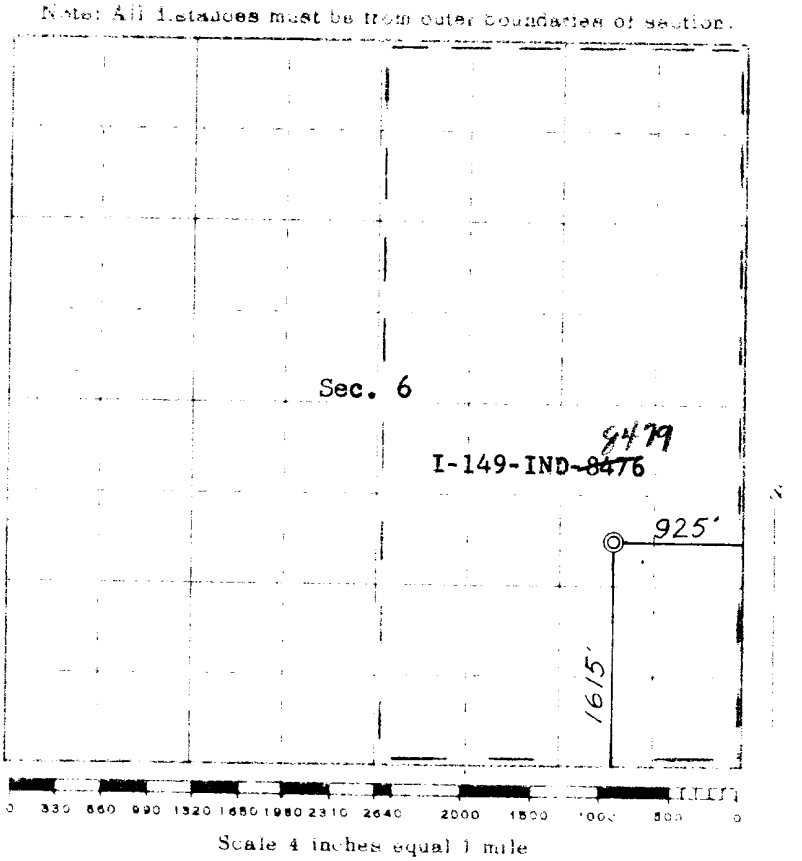
This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

PAN AMERICAN PETROLEUM CORPORATION
(Operator)

F. H. Hollingsworth
(Representative)

P. O. Box 480
(Address)

Farmington, New Mexico



Scale 4 inches equal 1 mile

Ref: GLO plat dated 19 July 1915

(Seal)

Farmington, New Mexico

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Date Surveyed 22 August 1963

James P. Leese

Registered Professional Engineer and/or Land Surveyor

James P. Leese, N. Mex. Reg. No. 1463

San Juan Engineering Company

PAN AMERICAN PETROLEUM CORPORATION

3-25-68

WELLS REQUIRING FILE CORRECTIONS ONLY

LEASE NAME & WELL NUMBER	LOCATION	POOL	PRESENT ACREAGE	CORRECT ACREAGE
Jicarilla Apache 102 #6	K-3-26N-4W	Blanco MV	W 320	W 321.68
Jicarilla Apache 102 #4	K-4-26N-4W	Blanco MV	W 320	W 322.88
Jicarilla Contract 155 #10	M-30-26N-5W	So. Blanco PC	160	159.59
Gallegos Canyon Unit #146	I-6-27N-12W	Basin Dakota	E 320	E 319.88
Shipp Gas Com #1	O-1-27N-13W	Basin Dakota	E 320	E 319.97
Gallegos Canyon Unit #255	C-18-28N-11W	Pinon Fruit.	160	157.80
Gallegos Canyon Unit #139	P-18-28N-11W	Basin Dakota	S 317.89	S 317.88
Gallegos Canyon Unit #253	E-19-28N-11W	Pinon Gallup	80 W/2 NW/4	78.96
T. L. Rhodes #1	F-30-28N-11W	Simpson Gal.	80 S/2 NW/4	78.99
T. L. Rhodes C #1	G-30-28N-11W	Basin Dakota	N 317.90	N 317.96
State Gas Com L #1	H-2-29N-9W	Blanco MV	N 322.84	N 324
Chaves Gas Com D #1	G-3-29N-9W	Basin Dakota	E 320	E 323.40
Jaquez Gas Com B #2	C-4-29N-9W	Blanco PC	160	160.52
Jaquez Gas Com B #3	K-4-29N-9W	Basin Dakota	W 321.32	W 320.52
Jaquez Gas Com A #2	E-5-29N-9W	Blanco PC	160	160.24
[illegible]	[illegible]	[illegible]		
Archuleta Gas Com A #2	I-5-29N-9W	Blanco PC	160.45	160
Archuleta Gas Com A #3	K-5-29N-9W	Basin Dakota	S 320.51	S 320
Jaquez Gas Com C #1	O-6-29N-9W	Blanco MV	334.12 S/2 Sec. 6 & N/2 N/2 N/2 Sec.7	334.14
Sammons Gas Com B #1	A-18-29N-9W	Blanco MV S/2 S/2 Sec. 7& N/2 N/2 Sec. 18 & N/2	331	331.68 S/2 N/2 of18
Abrams Gas Com E #1	I-30-29N-10W	Basin Dakota	S 320	S 318.80
Hutton Gas Com #1	H-6-29N-12W	Basin Dakota	N 320	N 317.94
Lillywhite Gas Com #1	C-13-30N-12W	Basin Dakota	W 317.21	W 320
Carpenter Gas Com B #1	K-25-30N-14W	Basin Dakota	W 320	W 320.36
Wallace Gas Com #1	H-35-31N-11W	Blanco MV	N 319.82	N 320

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NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY Fracture	
NOTICE OF INTENTION TO ABANDON WELL			

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

Gallegos Canyon Unit — Farmington, New Mexico October 30, 1963

Well No. 146 is located 1615 ft. from {N/S} line and 925 ft. from {E/W} line of sec. 6

NE/4 SE/4 Section 6 (¼ Sec. and Sec. No.) — T-27N (Twp.) — R-12W (Range) — N.M.P.M. (Meridian)

Basin Dakota (Field) — San Juan (County or Subdivision) — New Mexico (State or Territory)

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FARMINGTON, NEW MEXICO

The elevation of the derrick floor above sea level is 5497 ft.

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)

The above well was drilled to a total depth of 5970' and plugged back to 5931. Well was perforated in Main Dakota with 4 shots per foot 5872-76 and 2 shots per foot 5885-96. Fractured with 44,000 gallons of water containing 7# J-114 per 1000 gallons and 1% calcium chloride and 40,000 pounds 20-40 mesh sand. Pressures were: Breakdown 1500 psi; Maximum Treating 3500 psi; Minimum treating 3200 psi; average 3300 psi; instant shut in 1200 psi; 5 minute shut in 1000 psi and stabilized at 350 psi in 3 hours. The average injection rate was 36 barrels per minute. Bridge plug was set at 5855' and tested to 3500 psi and held ok. Perforated the Graneros with 4 shots per foot 5828-44. Fractured with 22,000 gallons water containing 7# J-114 per 1000 gallons and 1% calcium chloride and 15,000 pounds 20-40 mesh sand and 4,000 pounds 10-20 mesh sand. Pressures were: Breakdown 2000 psi; Maximum treating 3500; Minimum treating 2500 psi; average 2800 psi; Instand shut in 1250 psi; 5 minute shut in 1100 psi; and stabilized at 400 in 2-1/2 hours. The average injection rate was 37 barrels per minute. Drilled out bridge plug and cleaned out well in preparation to commence testing.

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 480

Farmington, New Mexico

Fred L. Kabera, District Engineer

By ORIGINAL SIGNED BY F. H. HOLLINGSWORTH

Title

U. S. GOVERNMENT PRINTING OFFICE 16—8437b-8