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

Form 9-331 b
(April 1952)

	x		

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency Navajo Tribe

Allottee

Lease No. I-149-IND-8470

SUNDRY NOTICES AND REPORTS ON WELLS

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)

RECEIVED
SEP 25 1962
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

Gallegos Canyon Unit — Farmington, New Mexico September 24 19 62

Well No. 129 is located 660 ft. from {N} line and 1960 ft. from {W} line of sec. 30

NE/4 NW/4 Section 30 (¼ Sec. and Sec. No.) T-28N (Twp.) R-12W (Range) N.M.P.M. (Meridian)

Cha Cha Gallup (Field) San Juan (County or Subdivision) New Mexico (State or Territory)

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SEP 26 1962
OIL CON. COM.
DIST. 3

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 Gallegos Canyon Unit Well No. 129 with rotary tools to an approximate total depth of 5600' to test and develop productive Gallup Zones. Stimulation and completion will be as indicated upon penetration of Gallup Pay.

Proposed casing program as follows:

SIZE	DEPTH	CEMENT	REMARKS
8-5/8"-7-5/8"	200'	150 sacks	Neat Incor - Circulate
4-1/2"	5600'	450 sacks	First stage - 200 sacks Incor 4% gel with 1-1/2 pounds Tuf Plug per sack and 100 sacks Incor neat cement on bottom. Second stage - 150 sacks Incor 4% gel cement. 4-1/2" casing will be cemented by Second stage method with stage tool set about 100' below base of Pictured Cliffs. First stage will consist of sufficient cement to fill 300' above top of Gallup. Copies of location plats attached. A copy of any survey taken will be submitted upon completion of well.

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

Attn: L. O. Speer, Jr.

By ORIGINAL SIGNED BY F. H. HOLLINGSWORTH

Title Petroleum Engineer

Verbal approval Baier to Glover 9-24-62

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

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

SECTION A.

DATE September 24, 1962

OPERATOR Pan American Petroleum Corporation LEASE Gallegos Canyon Unit

WELL NO. 129 UNIT LETTER C SECTION 30 TOWNSHIP 28 North RANGE 12 West NMPM

LOCATED 660 FEET FROM North LINE, 1960 FEET FROM West LINE

COUNTY San Juan G. L. ELEVATION To report later DEDICATED ACREAGE 80 ACRES

NAME OF PRODUCING FORMATION Gallup POOL Cha Cha Gallup

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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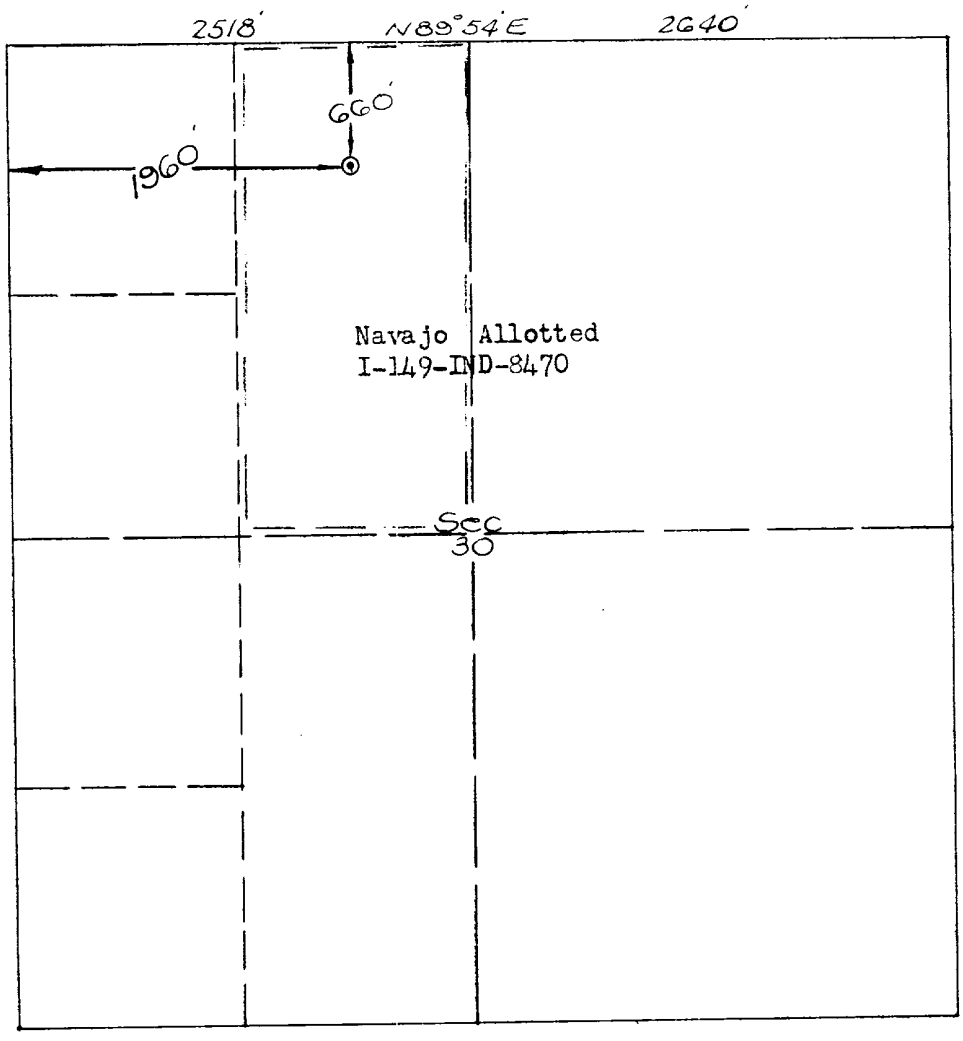
SECTION B.



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 Petr. Corp.
(OPERATOR)

F. H. Hollingsworth
F. H. Hollingsworth
(REPRESENTATIVE)

Box 480, Farmington, New Mex.
(ADDRESS)

THIS IS TO 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. 21, 1962

FOUR STATES
ENGINEERING CO.
FARMINGTON, NEW MEXICO

Edward J. Echohawk

REGISTERED ENGINEER OR
LAND SURVEYOR

CERTIFICATE NO. 3602

Form 9-331 b
(April 1952)

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

	X		

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency Navajo Tribe

Allottee

Lease No. I-149-IND-8470

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 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)

RECEIVED
OCT 15 1962
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

Gallegos Canyon Unit — Farmington, New Mexico — October 10, 1962

Well No. 129 is located 660 ft. from {N/S} line and 1960 ft. from {E/W} line of sec. 30

NE/4 NW/4 Sec. 30 (¼ Sec. and Sec. No.) — T-28N (Twp.) — R-12W (Range) — NMPM (Meridian)

Cha Cha Gallup (Field) — San Juan (County or Subdivision) — New Mexico (State or Territory)

The elevation of the derrick floor above sea level is 5758 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)

Well was spudded on September 28, 1962 and drilled a 12-1/4" hole to 200'. 8-5/8" casing was set at 200' and cemented with 180 sacks mixed with 2% calcium chloride. Circulated 30 sacks cement. After waiting on cement to set, tested casing with 500 psi for 30 minutes with no indication of pressure drop. Resumed drilling operation.

RECEIVED
OCT 17 1962
OIL CON. COM.
DIST. 3

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

By [signature]

Attn: L. O. Speer, Jr.

Title Petroleum Engineer

U. S. GOVERNMENT PRINTING OFFICE 16—84376-8

Form 9-331 b
(April 1952)

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

(SUBMIT IN TRIPLICATE)

RECEIVED
OCT 19 1962
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency Navajo Tribe

Allottee

Lease No. I-149-IND-8470

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF 4-1/2"	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 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 Core	X
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 17, 19 62

Well No. 129 is located 660 ft. from [N] line and 1960 ft. from [W] line of sec. 30

NE/4 NW/4 Section 30 (¼ Sec. and Sec. No.) — T-28-N (Twp.) — R-12-W (Range) — N.M.P.M. (Meridian)

Cha Cha Gallup (Field) — San Juan (County or Subdivision) — New Mexico (State or Territory)

The elevation of the derrick floor above sea level is 5758 ft.

RECEIVED
OCT 22 1962
OIL CON. COM.
DIST. 3

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)

Core No. 1 - 5430-5491, Gallup, Recovered 49' as follows: 5430-5438-1/2, shale, black sand laminations, highly vertically fractured. Missed 2' at approximately 5431-5433. Bleeding oil at 5435-1/2-5438-1/2'; 5438-1/2-5442 sand, tight shale laminations; 5442-5449 shale, black, few shale nodules and laminations, bleeding oil from horizontal fractures throughout; 5449-5450-1/2' sand, tight shale laminations; 5450-1/2-5459' sand few shale nodules and tight sand stringers. Good porosity, 5459-5491 shale, black scattered sand laminations, vertical fractures.

Drilled hole to total depth 5549'. 4-1/2" casing set at 5542' with 200 sacks of neat Inner cement containing 4% gel and 1-1/2 lbs. medium Tuf Plug per sack followed by 100 sacks of neat Inner. Stage collar set at 1715'. Second stage cemented with 150 sacks neat Inner containing 4% gel. After waiting on cement, drilled stage tool and dropped plug. Tested 4-1/2" casing to 3000 psi. Test o.k. Currently preparing to complete well.

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 480

Farmington, New Mexico

Attn: L. O. Speer, Jr.

By ORIGINAL SIGNED BY F. H. HOLLINGSWORTH

Title Petroleum Engineer

U. S. GOVERNMENT PRINTING OFFICE 16—84376-8

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

Form 9-331 b
(April 1952)

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency Navajo Tribe

Allottee

Lease No. I-149-IND-8470

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 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 Frac	X
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 24, 1962

Well No. 129 is located 660 ft. from {N} line and 1960 ft. from {W} line of sec. 30

NE/4 NW/4 Section 30 — T-28-N — R-12-W — N.M.P.M.
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Cha Cha Gallup — San Juan — New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5758 ft.

RECEIVED
OCT 25 1962
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

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 perforated from 5453 to 5457 with 8 shots per foot. These perforations were then fracked with 30,000 gallons oil containing 50 pounds of Adomite Mark II and 2 gallons of G-15 per 1,000 gallons and 30,000 pounds sand. Pressures were - Breakdown 1300, Average Treating 2100. Average injection rate 30.3 barrels per minute.

Currently recovering load oil.

RECEIVED
OCT 26 1962

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 480

Farmington, New Mexico

Attn: L. O. Speer, Jr.

ORIGINAL SIGNED BY
F. M. HOLLINGSWORTH

By

Title Petroleum Engineer

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

Form 9-331 b
(April 1952)

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

	X		

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency Navajo Tribe

Allottee

Lease No. I-149-IND-8470

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 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 Potential Test	X
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 29, 1962

Well No. 129 is located 660 ft. from {N/S} line and 1960 ft. from {E/W} line of sec. 30

NE/4 NW/4 Section 30 (¼ Sec. and Sec. No.) — T-28-N (Twp.) — R-13-W (Range) — N.M.P.M. (Meridian)

Cha Cha Gallup (Field) — San Juan (County or Subdivision) — New Mexico (State or Territory)

RECEIVED
OCT 29 1962
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

The elevation of the derrick floor above sea level is 5798 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 preliminary potential tested on October 28, 1962 as follows:
Flowed 145 barrels of new oil in 24 hours on 32/64" choke, 5/10% BS&W.

Well completed as a Flowing Cha Cha Gallup Oil well October 28, 1962.
Estimated allowable 145 barrels of oil per day effective October 28, 1962.

RECEIVED
OCT 31 1962
OIL CON. COM.
DIST. 3

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 480

Farmington, New Mexico

Attn: L. G. Spoor, Jr.

By ORIGINAL SIGNED BY F. H. HOLLINGSWORTH

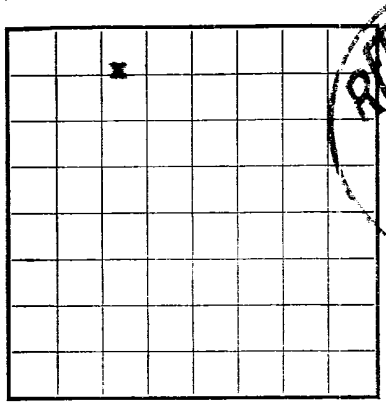
Title Petroleum Engineer

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

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

Form 9-330

U. S. LAND OFFICE Navajo Tribe
SERIAL NUMBER I-149-IND-8470
LEASE OR PERMIT TO PROSPECT .....



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Pan American Petroleum Corporation Address Box 480, Farmington, New Mexico
Lessor or Tract Gallegos Canyon Unit Field Cha Cha Gallup State New Mexico
Well No. 129 Sec. 30 T. 28N R. 12W Meridian N.M.P.M. County San Juan
Location 660 ft. {N./S.} of N Line and 1960 ft. {E./W.} of W Line of Section 30 Elevation 5758
(Derrick 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 .....

Date October 29, 1962 Title Petroleum Engineer

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

Commenced drilling September 28, 1962 Finished drilling October 11, 1962

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 5453 to 5457 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 From—	Perforated To—	Purpose
8-5/8"	24.0	8R	Armco	213	Guide				Surface
4-1/2"	9.5	8RT	J-55	5561	Guide				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"	213	180	B.J. 1 Plug		
4-1/2"	5542	430	B.J. 2 Stage		

MARK

FOLD

PLUGS AND ADAPTERS

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

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 5549 feet, and from ..... feet to ..... feet
Cable tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

DATES

Completed as Flowing Cha Cha Gallup Oil Well October 26, 1962 Put to Producing Oil Produced October 26, 1962

The production for the first 24 hours was 145 barrels of fluid of which 99.5% was oil; .....% emulsion; .....% water; and .....% sediment. Gravity, °Bé. .....

If gas well, cu. ft. per 24 hours 5 Gallons gasoline per 1,000 cu. ft. of gas 41.8

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

EMPLOYEES

510 (CPF)
....., Driller ....., Driller
Gene B. Sandefer, Driller Leon Vestal, Driller
James Smith Pete Estes

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	200	200	Surface sand and shale
200	1435	1235	Kirtland and Fruitland sand and shale
1435	1640	205	Pictured Cliffs sand and shale
1640	2345	705	Lewis shale
2345	4169	1824	Mesaverde sand and shale
4169	5094	925	Mancos shale
5094	5453	359	Gallup sand and shale
5453	5457	4	Gallup pay sand
5457	5549	92	Gallup sand and shale

[OVER]

16—48094-4

Form 9-330

Budget Bureau No. 42-R356.1
Approval expires 12-31-??

U.S. Land Office Navajo Tribe

Serial Number [illegible]

Lease or Permit to Prospect

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company [illegible] Petroleum Corporation Address [illegible] Farmington, New Mexico

Lessor or Tract [illegible] Field [illegible] State New Mexico

Well No. [illegible] Sec. [illegible] T. [illegible] R. [illegible] Meridian [illegible] County [illegible]

Location [illegible] ft. N/S of [illegible] Line and [illegible] ft. E/W of [illegible] Line of [illegible] Elevation [illegible]
(Derrick 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 [illegible]

Date October 2?, 1962 Title [illegible]

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

Commenced drilling September [illegible], 1962 Finished drilling October [illegible], 1962

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from [illegible] to [illegible] 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 From—	Perforated To—	Purpose
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]

HISTORY OF OIL OR GAS WELL

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.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from [illegible] feet to [illegible] feet, and from feet to feet

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

DATES

[illegible], 19[illegible] Put to producing [illegible], 19

The production for the first 24 hours was [illegible] barrels of fluid of which [illegible]% was oil; [illegible]% emulsion; [illegible]% water; and [illegible]% sediment. Gravity, °Bé. [illegible]

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

Rock pressure, lbs. per sq. in.

EMPLOYEES

[illegible], Driller [illegible], Driller

[illegible], Driller Leon [illegible], Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	[illegible]	[illegible]	[illegible]
[illegible]	1435	[illegible]	[illegible]
1435	1840	405	[illegible]
[illegible]	[illegible]	[illegible]	[illegible] shale
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible] pay sand
[illegible]	[illegible]	[illegible]	[illegible]

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

(OVER)