

FILE NOTATIONS

Entered in NID File

Entered On S R Sheet

Location Map Pinned

Card Indexed

IWR for State or Fee Land

Checked by Chief PMB

Copy NID to Field Office

Approval Letter

Disapproval Letter

COMPLETION DATA:

Date Well Completed _____

OW _____ WW _____ TA _____

GW _____ OS _____ PA

Location Inspected _____

Bond released _____

State of Fee Land _____

LOGS FILED

Driller's Log _____

Electric Logs (No.) 3

E _____ I _____ E-I GR _____ GR-N _____ Micro

Lat _____ Mi-L _____ Sonic GR Others _____

H. L. C.

		0
(22)		

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. 14-20-603-235
Unit (none)

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)

May 8, 1963

North Boundary Butte ✓

Well No. 41-22 is located 660 ft. from N line and 660 ft. from E line of sec. 22

NE¹/₄ NE¹/₄ Section 22 T 42 S R 22 E Salt Lake M.

(¹/₄ Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

Wildcat
(Field)

San Juan
(County or Subdivision)

Utah
(State or Territory)

ground

The elevation of the ~~drill floor~~ ground above sea level is 5037 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)

(See attached drilling program)

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

Company Pacific Natural Gas Exploration Company

Address 366 South Fifth East

Salt Lake City 2, Utah

Davis 2-2583

By R. D. Geddes
R. D. Geddes
Title Petroleum Engineer

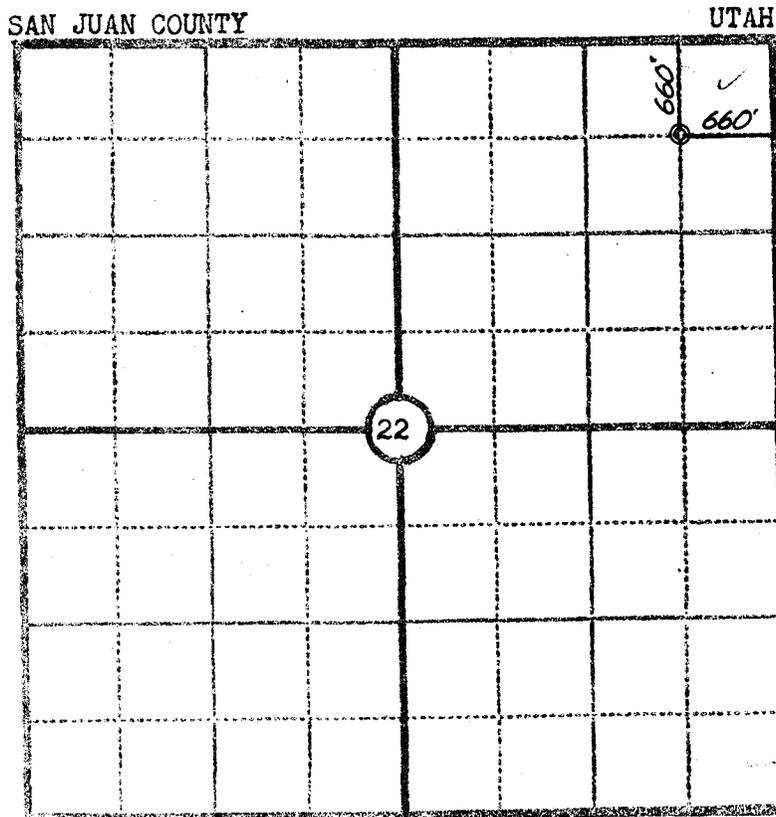
Company PACIFIC NATURAL GAS EXPLORATION COMPANY

Loc. NORTH BOUNDARY BUTTE Well No. 41-22

Sec. 22 T. 42 SOUTH R. 22 EAST

Location 660' FROM THE NORTH LINE AND 660' FROM THE EAST LINE

Elevation 5037.0'



Scale—4 inches equal 1 mile

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.

James P. Leese

Seal: Registered Land Surveyor.
James P. Leese
Utah Reg. No. 1472

Surveyed 5 May 1963



May 9, 1963

Pacific Natural Gas Exploration Company
366 South Fifth East
Salt Lake City 2, Utah

Attention: R. D. Geddes, Petroleum Engineer

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. North Boundary Butte 41-22, which is to be located 660 feet from the north line and 660 feet from the east line of Section 22, Township 42 South, Range 22 East, SLBM, San Juan County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well is hereby granted.

As soon as you have determined that it will be necessary to plug and abandon the above mentioned well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL, Chief Petroleum Engineer
Office: DA 8-5771 or DA 3-5772
Home: CR 7-2890
Salt Lake City, Utah

This approval terminates within 90 days if the above mentioned well has not spudded in within said period.

Enclosed please find Form OGCC-8-X, which is to be completed if water sands (aquifers) are encountered while drilling, particularly

Pacific Natural Gas Expl. Co.

-2-

May 9, 1963

assessable near surface water sands. Your cooperation with respect to completing this form will be greatly appreciated.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE DIRECTOR

CBF:cnp

cc: P. T. McGrath, District Engineer
U. S. Geological Survey
Farmington, New Mexico

H. L. Coonts, Petroleum Engineer
Oil & Gas Conservation Commission
Moab, Utah

ENB

Copy H. L. E.

Budget Bureau No. 42-R714.4
Approval expires 12-31-60.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ALLOTTEE Tribal
TRIBE Navajo
LEASE NO. 14-20-603-235

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of May, 1963, Pacific Natural Gas

Agent's address 366 South Fifth East St. Company Exploration Company

Salt Lake City 2, Utah Signed R. D. Geddes

Phone 322-2583 Agent's title Petroleum Engineer

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NE NE 22	42S	22E	41-22							Spudded well 5-15-63. Drilled 13 3/4" hole to 977' with mud. Ran and cemented 9 5/8" casing at 986' with 290 sacks Class A cement including 2% gel and 2% CaCl ₂ , followed by 100 sacks Class A cement including 2% CaCl ₂ . Drilled 8 3/4" hole with mud to 3497'.

NOTE.—There were _____ runs or sales of oil; _____ M. cu. ft. of gas sold; _____ runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

610

Copy H.L.C.

Form approved.
Budget Bureau No. 42-R714.4

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ALLOTTEE Tribal
TRIBE Navajo
LEASE NO. 14-20-603-235

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of June, 1963, Pacific Natural Gas

Agent's address 366 South Fifth East St. Company Exploration Company

Salt Lake City 2, Utah Signed R. D. Geddes

Phone 322-2583 Agent's title Petroleum Engineer

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (in thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (if none, so state)	REMARKS (if drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
North Boundary Butte 41-22										
NE NE 22	42S	22E	1							
Drilled 8 3/4" hole with mud from 3497'-5150'.										
D.S.T. #1 5097'-5150' - Tool open 5 minutes, shut-in 30 minutes, open 1 hour, shut-in 1 hour. Good blow immediately decreasing to very weak in 1/2 hour. No gas to surface. Recovered 250' of gas cut mud and 2525' of salt water. IHP 2740#, ISIP 1695#, IFP 138#, FFP 1695#, FSIP 1695#, FHP 2740#.										
Drilled 8 3/4" hole with mud from 5150'-5933'.										
<i>P.A. July, 1963</i>										

NOTE.—There were no runs or sales of oil; no M. cu. ft. of gas sold; no runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

July 3, 1963

MEMO FOR FILING:

Re: Pacific Nat. Gas & Expl. Co.
North Boundary Butte #41-22
Sec. 22, T. 42 S, R. 22 E.,
San Juan County, Utah

On July 3, 1963, I approved the following plugging program on the above well:

Total Depth: 6340' in The Molas Formation

<u>Tops</u>	<u>Depth</u>	<u>Plugs</u>
Molas	5963'	
Desert Creek	5172'	5300'-5400'
Ismay	5004'	4900'-5000'
Hermosa	4095'	4050'-4150'
Cutler	2050'	2000'-2100'
Moenkopi	1882'	
Shinarump	1790'	
Surface Pipe	1000'	900'-1050' 10 sack surface plug

The operator had no shows and no strong porosity zones in the well.

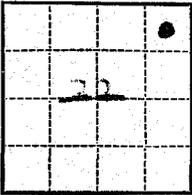
HARVEY L. COONTS
PETROLEUM ENGINEER

HLC:kgw

Copy H. L. E.

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal
Lease No. 14-20-603-213

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.....	X	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

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

July 9, 19 63

North Boundary Butte

Well No. 41-22 is located 600 ft. from N line and 600 ft. from W line of sec. 22

C NE 1/4 NE 1/4 22
(1/4 Sec. and Sec. No.)

T. 42 S.
(Twp.)

R. 22 E.
(Range)

S.L.M.
(Meridian)

Wildcat
(Field)

San Juan
(County or Subdivision)

Utah
(State or Territory)

The elevation of the ~~drainage flow~~ ^{ground} above sea level is 5037 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 program specified below was orally approved in McGrath-Glutter telephone conversation of 7-2-63)

1. Plug with cement 5400' - 5300', 5000' - 4900', 4150' - 4050', 2100' - 2000', 1000' - 900'.
2. Place a 10 sack cement plug at the surface.
3. Erect a dry hole marker.
4. Fill mouse hole and rat hole with dirt.

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

Company Pacific Natural Gas Exploration Company

Address 346 South 9th East

Salt Lake City 2, Utah

Phone 323-2383

By R. D. Gredes

R. D. Gredes

Title Patrolman Engineer

20

Copy H.L.C.

Form approved.
Budget Bureau No. 42-R714

[Handwritten initials]

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ALLOTTEE Tribal
TRIBE Navajo
LEASE NO. 14-20-603-235

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of July, 1953, Pacific Natural Gas

Agent's address 366 South Fifth East St. Company Exploration Company

Salt Lake City 2, Utah Signed R. D. Geddes

Phone 322-2583 Agent's title Petroleum Engineer

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)	
North Boundary Butte											
NE NE 22	42S	22E	41-22								
Drilled 8 3/4" hole with mud from 5933'-6046'.											
Ran IES, Sonic-Gamma, and Microlog.											
Log Tops:											
							1790'				
							1882'				
							2050'				
							4095'				
							5004'				
							5172'				
							5963'				
Plugged with cement as follows:											
					5400'-5300'	35 sacks					
					5000'-4900'	35 sacks					
					4150'-4050'	35 sacks					
					2100'-2000'	35 sacks					
					1050'-900'	50 sacks					
Erected dry hole marker.											
Well plugged and abandoned 7/3/53.											

NOTE.—There were no runs or sales of oil; no M. cu. ft. of gas sold; no runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Copy H. L.

[Handwritten initials]

	22	

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency Tribal

Allotment Navajo

License No. 14-20-603-235

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	X
NOTICE OF INTENTION TO ABANDON WELL		

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

August 28, 1963

North Boundary Butte
Well No. 41-22 is located 660 ft. from N line and 660 ft. from E line of sec. 22

C. NE 1/4 NE 1/4 22 T. 42S R. 22E S. L. M.
(1/4 Sec. and Sec. No.) (Twp) (Range) (Meridian)

Wildcat San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~drill hole~~ ^{ground} above sea level is 5037 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)

MAY

Spudded well 5-15-63. Drilled 13 3/4" hole to 977' with mud. Ran and cemented 9 5/8", 36#, J-55 casing at 986' with 298 sacks Class A cement including 2% gel and 2% CaCl₂, followed by 100 sacks Class A cement including 2% CaCl₂. Drilled 8 3/4" hole with mud to 3497'.

June

Drilled 8 3/4" hole with mud from 3497' - 5150'.
(con't)

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

Company Pacific Natural Gas Exploration Company

Address 366 South Fifth East

Salt Lake City 2, Utah

Phone 322-2583

By R. D. Geddes
R. D. Geddes
Title Petroleum Engineer

N.

June (con't)

D.S.T. #1 5097' - 5150' - Tool open 5 minutes, shut-in 30 minutes, open 1 hour, shut-in 1 hour. Good blow immediately decreasing to very weak in 1/2 hour. No gas to surface. Recovered 250' of gas cut mud and 2525' of salt water. IHP 2740#, ISIP 1595#, IFP 138#, FFP 1695#, FSIP 1695#, FHP 2740#.

Drilled 8 3/4" hole with mud from 5150' - 5933'.

July

Drilled 8 3/4" hole with mud from 5933' - 6046'.

Ran IES, Sonic-Gamma, and Microlog.

Log Tops:

Shinarump	1790'
Moenkopi	1882'
Cutler	2050'
Hermosa	4095'
Ismay	5004'
Desert Creek	5172'
Molas	5963'

Plugged with cement as follows:

5400' - 5300'	35 sacks
5000' - 4900'	35 sacks
4150' - 4050'	35 sacks
2100' - 2000'	35 sacks
1050' - 900'	50 sacks

Erected dry hole marker.

Well plugged and abandoned 7-3-63.

EP

Supp H. L. E.

Handwritten initials

Form 9-331 b
(April 1952)

Form approved.
Budget Bureau No. 42-R369.4.

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal
Lease No. 14-20-603-235

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	X
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)

August 28, 1963

North Boundary Butte
Well No. 41-22 is located 660 ft. from N line and 660 ft. from E line of sec. 22

C NE 1/4 NE 1/4 22 T 42S R 22E S. L. M.
(1/4 Sec. and Sec. No.) (Twp) (Range) (Meridian)

Wildcat San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~derrick floor~~ ^{ground} above sea level is 5037 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)

Mechanical condition prior to abandonment:

1. 9-5/8" casing cemented at 986'.
2. Total depth 6046'.

Abandonment procedure:

1. Plugged with 35 sacks of cement from 5400' - 5300'.
2. Plugged with 35 sacks of cement from 5000' - 4900'.
3. Plugged with 35 sacks of cement from 4150' - 4050'.
4. Plugged with 35 sacks of cement from 2100' - 2000'.
5. Plugged with 50 sacks of cement from 1050' - 900'.
6. Erected dry hole marker

Well plugged and abandoned 7-3-63.

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

Company Pacific Natural Gas Exploration Company

Address 366 South Fifth East

Salt Lake City 2, Utah

Phone 322-2583

By R. D. Geddes
R. D. Geddes
Title Petroleum Engineer

Supp. H. L. E.

PROPOSED DRILLING PROGRAM
For
NORTH BOUNDARY BUTTE WELL
NE $\frac{1}{4}$ Section 22, Township 42 South, Range 22 East
San Juan County, Utah

The following program of drilling, testing, and completing the North Boundary Butte prospect well is proposed. The location for the test is the Northeast Quarter of Section 22, Township 42 South Range 22 East, San Juan County, Utah. While the exact location for the well has not yet been staked, the general location is approximately one and three quarter miles Northeast of an existing oil well. The terrain is of low relief so that access is relatively easy, and road building and location costs should be at a minimum.

1. Move in, rig up, and drill 13-3/4-inch surface hole to 1,000 feet (50 feet into Chinle Formation) with gel and fresh water mud.
2. Run 9-5/8-inch, 36 pound, J-55, ST & C casing to 1,000 feet. Cement with 530 sacks (20 percent excess) of Class A cement plus 4 percent calcium chloride. If cement returns are not obtained at the surface, the annulus between the casing and hole should be filled with cement through small diameter pipe. Cement to set 24 hours before drilling out.
3. Install B.O.P.E. and pressure test casing with 800 pounds to 1,000 pounds for 15 minutes.
4. Drill out cement with 8-3/4-inch bit.
5. Drill 8-3/4-inch hole with gel and fresh water mud to a total depth of 6,500 feet. Expected formation tops and total depth are as follows:

Shinarump	1,650 feet
Moenkopi	1,800 feet
Cutler	1,950 feet
Hermosa	4,050 feet
Paradox	5,100 feet
<u>Molas</u>	6,150 feet
Total Depth	6,500 feet

6. Samples of formation cuttings should be collected at 10 foot intervals from a depth of 150 feet to total depth.
7. Deviation surveys will be run at 200 foot intervals. The deviation will be kept within 1 degree per 100 feet of hole, with the total accumulative deviation not to exceed 1 degree per 1,000 feet of total hole.
8. A mud logging unit should be put in service after reaching the top of the Hermosa at a depth of approximately 4,050 feet.
9. Any zones indicating favorable oil and/or gas saturation should be drill stem tested.
10. After reaching total depth, run IES, Sonic-Caliper, and Gamma-Neutron logs.
11. Run 5-1/2-inch, 17 pound, N-80 and 15.5 pound, J-55 ST & C casing to total depth, stage cementing as appropriate to protect any prospective productive measures above and in addition to the Molas. Cement to set 36 hours.

PROPOSED DRILLING PROGRAM For NORTH BOUNDARY BUTTE WELL

12. Clean out cement to the shoe of the 5-1/2-inch casing.
13. Run cement bond log from 6,500 feet to 3,500 feet.
14. Perforate, frac and test as directed. Frac with acid and CO₂ if possible.
15. Install tubing head, run tubing and complete well as directed.
16. Blowout equipment will include a hydraulically operated Shaffer double gate.
17. The rig will be equipped with a two way radio telephone or mobile telephone to facilitate the co-ordination of all operations.

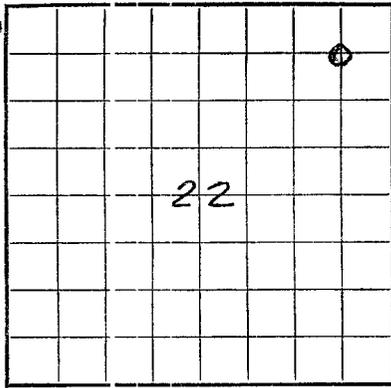
RDG:des
4/17/63

Send
file
2/10

Form 9-33)

Form approved.
Budget Bureau No. 42-R355.4.

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



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Pacific Natural Gas Exploration Address 366 South Fifth East, SLC, Utah
Lessor or Tract North Boundary Butte Field Wildcat State Utah
Well No. 41-22 Sec. 22 T. 42S R. 22E Meridian S.L.M. County San Juan
Location 660 ft. S. of N. Line and 660 ft. W. of E. Line of Sec. 22 Elevation 5037 Gr. (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.

Date September 2, 1963 Signed R. D. Geddes Title Petroleum Engineer

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

Commenced drilling May 15, 1963 Finished drilling July 3, 1963

OIL OR GAS SANDS OR ZONES
No. 1, from 2120 5' I' to 100 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
							From-	To-	
9 5/8	48	8	Le-55	977'	Halliburton				
HISLOKI OR OIL OK CYS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	986 K.B.	390	Shoe	9.5 lb.	

PLUGS AND ADAPTERS

Heaving plug--Material _____ Length _____ Depth set _____
Adapters--Material _____ Size _____

SHOOTING RECORD

FOLD MARK

FOLD MARK

casing	9 5/8	986 K.B.	390	Shoe	9.5 lb.

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 6046 feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____ Plugged and abbd. ^{7/4/63} _____, 1963
 The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____%
 emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller Willard Pease Drilling Co. Driller
 _____, Driller Grand Junction, Colorado Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1790	1882	92	Shinarump
1882	2050	168	Moentopi
2050	4095	2045	Cutler
4095	5004	909	Hurmosa
5004	5172	168	Ismay
5172	5963	791	Desert Creek
5963			Molas

FORMATION RECORD—CONTINUED

SEP 4 1963

FIELD MARK

DATE	DEPTH	TYPE OF WORK	REMARKS

MUDDING AND CEMENTING RECORD

DATE	DEPTH	TYPE OF WORK	REMARKS

HISTORY OF OIL OR GAS WELL

16-43094-2 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.

DATE	DEPTH	TYPE OF WORK	REMARKS
------	-------	--------------	---------

CASING RECORD

5-15-63	Spud		
5-19-63	Csg., 9 5/8 cement at 986 K.B. with 390 sacks		
5-21-63	1612 Drilling, red and gray shale		
5-23-63	2388 P.T.D. Mudding up		
5-27-63	3114 Drilling, Cutler, red ss		
5-31-63	3497 Drilling		
6-5-63	4045 Drilling		
6-11-63	4528 Drilling		
6-15-63	4903 Drilling		
6-19-63	5150 P.T.D. 100 units gas, trade of flour.		
6-20-63	DST No. 1. 5097-5150 (SI 30, SI 60, N.G. T.S. rec. 250' G.C.M. and 2525' salt water zones)		
6-21-63	5227 Drilling		
6-25-63	5550 Drilling, dolomite		
7-1-63	5983 Drilling, red sh		
7-2-63	6046 T.D., Molns Formation. Ran logs.		
7-4-63	6046 T.D., Well plugged and abandoned as follows:		
	5300-5400	35 sacks	
	4900-5000	35 sacks	
	4050-4150	35 sacks	
	2000-2100	35 sacks	
	900-1050	50 sacks	

LOCALITY CORRECTED

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

PLEASE RETURN TO BUREAU

SERIAL NUMBER

U. S. LAND OFFICE

ORDER NUMBER NO. 43-15322-4