

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. SP-077092-D
Unit Housh Gas Unit

SUNDRY NOTICES AND REPORTS ON WELLS

DEC 1 1959

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	U. S. GEOLOGICAL SURVEY FARMINGTON, NEW MEXICO
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)

Housh Gas Unit

Farmington, New Mexico November 30, 1959

Well No. 1 is located 1650 ft. from [N] line and 1690 ft. from [E] line of sec. 6

NE 1/4 of Section 6 T-29-N R-7-W M. R. P. M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Blanco Pictured Cliffs & San Juan
(Field) (County or Subdivision)

New Mexico
(State or Territory)

Blanco Mesaverde

The elevation of the derrick floor above sea level is 5676 ft. (MSL)

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)

Moved in pulling unit October 22, 1959. Pulled tubing, ran 7" Model D Packer and set at 3992'. Also ran DR latch plug assembly. Tested packer and casing with 2500 psi which held with no indication of pressure drop. Perforated 7" casing from 2255-2256 with 4 shots per foot to cement behind 7" casing Pictured Cliffs zone. Ran HRC packer set at 2175'. Cemented with 150 sacks of cement. Tested 7" casing with 1400 psi which held ok. Squashed perforations 2259-2256 with 50 sacks of cement. Perforated 4 holes 2218-2219. Set HRC tool at 2217'. Cemented thru perforations with 200 sacks of cement. Drilled cement 2219-2266. Set HRC tool at 2210'. Tested above tool with 2500 psi which held ok. Spotted 500 gallons mud cement agent. Pulled tubing & HRC tool. Perforated Pictured Cliffs with 2 shots per foot 2212-2250. Sand-water fracked Pictured Cliffs with 31,400 gallons water & 50,000 pounds sand. Break-down pressure 1600 psi, average treating pressure 1900 psi, average injection rate 94 barrels per minute. Retrieved DR plug. 2" tubing set at 4325 with rubber coated joints 2215-2275 with production packer and latch on assembly set at 3992. Set 1-1/2" tubing at 2219'.

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

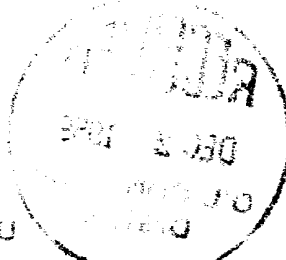
Company Pan American Petroleum CorporationAddress P. O. Box 487Farmington, New MexicoAttention: L. O. Speer, Jr.ORIGINAL SIGNED BY
R. M. Bauer, Jr.

By _____

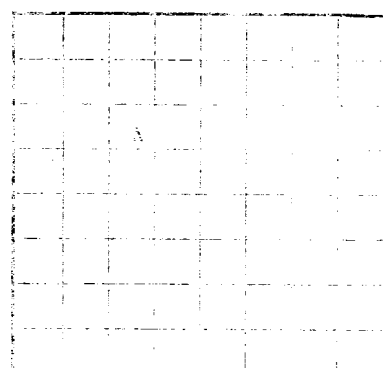
Title Area Engineer

Completed November 23, 1959, as dual gas well Blanco Norwood Field and Blanco
Placed CILITE Field. Shut in 11 days with Placed CILITE shut-in tubing pres-
sure 867 psi and Norwood shut-in tubing pressure 853 psi. Test Placed CILITE
November 19, 1959 for 2126 MFP per day after 3 hrs. with 3/4" choke. Norwood
shut-in tubing pressure 853 psi at start of test with 654 psi at end of test indi-
cating packer holding. Test Norwood November 23, 1959 for 2923 MFPD after 3 hours
with 3/4" choke. Placed CILITE shut-in tubing pressure 868 psi at start of test
and 870 psi at end of test, indicating packer holding.

U.S. Land Office
Serial Number
Date of Patent to Discoverer



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

YOUNG 06007983 2 0
JAN 19 1970

Moved in pulling unit October 22, 1956. Borehole logging, ran 7" model D packer and set at 3592'. Also ran DR latch plug assembly. Tested packer and casing with 2500 psi which held with no indication of pressure drop. Perforated 7" casing from 2255-2256 with 4 whole set foot to cement behind 7" casing. Packed off zone. Ran HRC packer set at 2173'. Cemented with 150 sacks of cement. Tested 7" casing with 1400 psi which held ok. Squenced perforations 2255-2256 with 50 sacks of cement. Perforated 4 holes 2218-2219. Set HRC tool at 2217'. Cemented thru perforations with 200 sacks of cement. Drilled cement 2119-2255. Set HRC tool at 2210'. Tested above tool with 2500 psi which held ok. Spotted 500 gallons mud clean out agent. Pulled tubing and HRC tool. Perforated fractured cliffs with 2 whole set foot 2212-2250. Sand-water frackes pictured cliffs with 31,400 gallons water and 50,000 pounds sand. Breakdown pressure 1600 psi, average treating pressure 1500 psi, averages 100 barrels per minute. Retrieved DR pump. Set at 455' with rubber coated joints 2215-2275 with production packer and latch on assembly set at 3592. Set I-1/2" tubing at 2216'. Completed November 23, 1956; as usual gas well. Reservoirs of field and Blaine fractured cliffs field. Shut in 31 days - then fractured cliffs shut in tubing pressure 857 psi and reservoirs shut in tubing pressure 853 psi. Tested pictured C life November 19, 1956 for 2124 MCF per day after 3 hours with 3/4" choke. Measured shut in tubing pressure 853 psi at start of test with 854 psi at end of test indicating packer holding. Tested Howard's November 23, 1956 for 2922 MCFD at 200' 3 hours with 3/4" choke. Pressure 853 psi at start of test with 854 psi at end of test indicating packer holding.

Well No. _____ Section or Tract _____ Township _____ Range _____ Meridian _____ County _____ State _____

Address _____

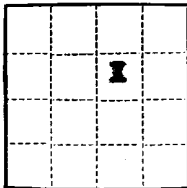
[illegible]

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

[illegible]

FORMATION RECORD—Continued



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **Santa Fe**
Lease No. **SP-077092-0**
Unit **Houck Gas Unit**

RECEIVED

SUNDRY NOTICES AND REPORTS ON WELLS NOV 6 1959

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	U. S. GEOLOGICAL SURVEY FARMINGTON, NEW MEXICO
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.....	
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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.....		
Notice of Intention to Seal Complete Well		X

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

Houck Gas Unit

Farmington, New Mexico November 2, 1959

Well No. **1** is located **1650** ft. from **[N]** line and **1650** ft. from **[E]** line of sec. **6**

NE 1/4 of Section 6
(1/4 Sec. and Sec. No.)

T-29-N
(Twp.)

R-9-W
(Range)

N.M.P.M.
(Meridian)

Blanco Mesaverte
(Field)

San Juan
(County or Subdivision)

New Mexico
(State or Territory)

The elevation of the derrick floor above sea level is **5676** ft.

DETAILS OF WORK

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

We propose to seal complete an existing Blanco-Mesaverte well in the Pictured Cliffs formation as follows:

1. Move in completion unit.
2. Pull tubing. Set Baker Model "D" Production Packer in 7" casing at 3592'. Run Baker Model "D" Latching type DR plug to convert packer to temporary bridge plug.
3. Perforate Pictured Cliffs with 2 shots per foot 2212-2250.
4. Sand-water free Pictured Cliffs with 30,000 gallons water and 50,000 pounds sand.
5. Retrieve DR plug.
6. Run 2" tubing to Mesaverte.
7. Run 1-1/4" line pipe to Pictured Cliffs.
8. Grab in if necessary, blow to clean up and test Pictured Cliffs.

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 487**

Farmington, New Mexico

Attn: **L. O. Spear, Jr.**

ORIGINAL SIGNED BY
R. M. Bauer, Jr.

By

Title **Area Engineer**

