

MAR 1956

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

UNITED STATES

AllottedDEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYAllottee Glin-hos-pah ThomasLease No. 14-20-603-53

## 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
NOTICE OF INTENTION TO ABANDON WELL	

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

February 21st, 19 56

Well No. 2 is located 990 ft. from 21 line and 990 ft. from W line of sec. 22NE SW SW  
(1/4 Sec. and Sec. No.)22-North, 6 West  
(Twp.) (Range)N.M. P.M.  
(Meridian)Wildcat  
(Field)Sandoval  
(County or Subdivision)New Mexico  
(State or Territory)The elevation of the derrick floor above sea level is 7073 ft.

## DETAILS OF WORK

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

Set 400' of 10 3/4" 32.75# casing & cemented with 175 sack.  
Left in hole.

Set a 100' cement plug from 6325 to 6425 with 80 sacks.

Set 6310' of 5 1/2" 15.50# J-55 casing at 6300' &amp; cemented w/250 sx.

over

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

Company PLYMOUTH OIL COMPANYAddress 340 Silver State Bank BuildingDenver, Colorado

By

Purtis Hancock  
Purtis HancockTitle Regional Supervisor

DST #1-1586-1621 - Open 1 1/2 hrs. Shut in 30 min. Rec. 150' drilling mud. IFF 290#, FFP 290#, SIP 195#

DST #2 - Mts-run

DST #3-3628-3678 - Open 1 1/2 hrs. Shut in 30 min. Rec. 100' drilling mud, 1100' slightly brackish & gas cut, water- IFF 100, FFP 580, SIP 1120

DST #4 - Mts-run

DST #5-3916-3966 - Open 2 hrs. Shut in 30 min. Rec. 15' free oil, 105' oil & gas cut drilling mud. IFF - 0, FFP 100, SIP 1010

DST #6-3966-4016 - Open 2 hrs. Shut in 30 min. Rec. 125' slightly gas cut drilling mud, 150' mud cut slightly salty & gas cut water.

DST #7-4062-4098 - Open 1 hr. Shut in 30 min. Rec. 5' very slightly gas cut mud. IFF - 0, FFP - 0, SIP - 560

DST #8-5130-5175 - Open 1 hr. Shut in 30 min. Rec. 5' slightly oil cut mud. IFF - 0, FFP - 0, SIP - 0

DST #9 - Mts-run

DST #10-6056-6225 - Open 1 hr. Shut in 1 hr. Rec. 1050' gas & water cut mud, 750' gas & mud cut water. IFF 450 FFP 900. SIP 2503.

DST #11-6128-6160 - Open 3 hrs. 20 min. Shut in 30 min. Gas to surface in 22 minutes. Rec. 180' water & gas cut mud, 1020' mud & gas cut water. IFF 125, FFP 400, SIP 2250.

DST #12-7118-7166 - Open 45 min. Shut in 30 min. Rec. 500' muddy water 5500' black sulphur water. IFF 2550, FFP 2875, SIP 2300

Core #1-1161-1501 - Rec. 17' dark grey shale with streaks of coal.

Core #2-1590-1621 - Rec. 4' sandstone

Core #3-7120-7166 - Rec. 2' brown anhydrite limestone. 141' grey sandstone.

SEE EXHIBIT "A" ATTACHED FOR PERFORATIONS AND FRACTURING DATA.

EXHIBIT "A"

COPY

COPY

COPY

TOMAS NO. 1 \* SANDOVAL COUNTY, NEW MEXICO

PLYMOUTH OIL COMPANY

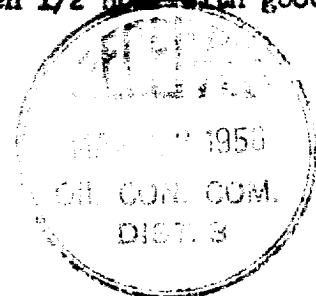
Ran 6310' 15.50# - 5 $\frac{1}{2}$ " casing, cemented with 250 sacks, with no returns. Put Baker staging tool on top of 100th joint from bottom, 150 sacks at 6080'. Ran temperature survey, found cement good on both jobs. Picked up tubing, measured in hole, found top of plug and float collar at 6280' by tubing measurements. Tubing being used 200 joints, 6275', 5 joints on back side of pipe rack not being used in string.

Perforations - bottom 6208 - 6222', 6 shots per foot jets. Upper perforations, 6128' - 6144', 6 shots per foot jets. Perforated by McCollough. These perforations were shot from Gamma-ray log. Ran Halliburton packer set at 6180' open packer, had good blow 30 min. and died. Prepared to acidize and sand frac. Ran 250 gallons of mud acid, pressured up and found communication between two perforations. Released packer from 6180'. Reset at 6095', broke down formation 3200# and fraced with 7500# sand, 7500 gallons water at 3200# pressure, 5-1/2 barrels per minute. Let set 12 hours and started swabbing. Ran swab about 10 times - swab sanded up in tubing. Released packer, came out of hole, went back in hole with bit, found top of sand 154' of bottom or 6124'. Cleaned out sand, ran packer back in hole, set packer 6095', started swabbing well 3000' down, tubing sanded up. Released packer, came out of hole, found 4 singles of tubing sanded completely up. Went back in with bit, found 25' of sand on bottom. Went back in hole with packer, set 6095', swabbed 22 hours, estimated 10 barrels per hour of salt water, with gas shows when pulling swab.

Released packer, came out of hole, set Baker bridging plug 6180', went back in hole with squeeze tool, set tool above top perforations and squeezed with 185 sacks, pressure 6000#, let cement set 24 hours, drilled out to top of plug, made dry test, had good blow 20 minutes and died. Left test tool open 1-1/2 hours closed tool, came out of hole, recovered 1600' salt water. Resqueezed perforations 6128'-6144' with 75 sacks, 6000# pressure, let set 24 hours and drilled out both retainers to total depth 6275'. Pulled out, ran Baker reamer in 5-1/2" casing to bottom. Pulled out, put on Halliburton packer, set 6180'. Open test tool had strong blow of air for 1 hour.

Rigged up and started swabbing. Swabbed 5 hours swabbed salt water, no oil or gas shows. Pulled out of hole with test tool, went back in hole with squeeze tool. Set tool 6190, squeezed perforations from 6208'-6222' with 190 sacks 4500# pressure. W.O.C. top cement plug 6185.

Drilled cement from 6185' to 6275'. Made dry test on perforations 6208'-6222' for 30 minutes with no blow. Perforated with McCullough jets, 4 shots per ft. from 6208' -6219', and from 6128'-6144'. Tested perforations 6208' -6219' with Halliburton H.M. packer. Tool opened 1/2 hour, no blow. Pulled out of hole and perforated with Lane Wells "E" gun with 50 holes from 6208'-6219'. Tested perforations with Halliburton H.M. packer. Tool open 1/2 hour with good blow.



MEMORANDUM FOR THE RECORD

On 10/10/54, the following information was received from the [redacted] regarding the [redacted] of the [redacted] in the [redacted] area.

The [redacted] of the [redacted] in the [redacted] area was [redacted] on 10/10/54. The [redacted] was [redacted] by the [redacted] and [redacted] of the [redacted] area.

IV- The [redacted] of the [redacted] in the [redacted] area was [redacted] on 10/10/54. The [redacted] was [redacted] by the [redacted] and [redacted] of the [redacted] area.

and [redacted] of the [redacted] in the [redacted] area was [redacted] on 10/10/54. The [redacted] was [redacted] by the [redacted] and [redacted] of the [redacted] area.

The [redacted] of the [redacted] in the [redacted] area was [redacted] on 10/10/54. The [redacted] was [redacted] by the [redacted] and [redacted] of the [redacted] area.

The [redacted] of the [redacted] in the [redacted] area was [redacted] on 10/10/54. The [redacted] was [redacted] by the [redacted] and [redacted] of the [redacted] area.

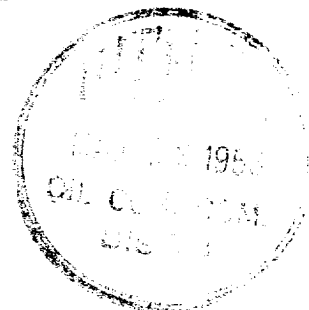


Swabbed salt water with a trace of gas for 2 hours. Came out of hole with H. M. packer. Set D. M. bridge plug at 6195' and squeezed perforations 6208'-6219' with 46 sacks Halliburton slow-set cement with 4500# pressure. Set Halliburton H. M. packer at 6109' and tested perforations 6128'-6144'. Pulled two swabs and lost swab in hole. Reversed circulation and recovered salt water. Pulled H. M. Packer out of hole and went in hole with H. R. C. squeeze tool. Pumped out 40 sacks cement into formation with 3200' pressure, and squeeze tool started leaking, reversed out 60 sacks and came out of hole with tool. Drilled out to 6195' after 24 hours.

Perforated from 6128' - 6144' with 64 jet shots. Set Halliburton H. M. packer at 6109' and waited on swab unit for 15 hours. Swabbed well for 18 hours. Recovered salt water with trace of gas. Swabbed fluid from 4000'. Set Halliburton D. M. Bridge plug at 6109' and squeezed out 25 sacks cement w/4500# pressure into perforations 6128' - 6144'. Perforated with 2 shots at 5686' and set H. R. C. squeeze tool at 5673' and squeezed out 75 sacks cement w/2000#. Set H.R.C. squeeze at 5567' and squeezed out 100 sacks cement into perforations 5660'-5661' w/3800# pressure. Drilled out to 5711'. Set Halliburton hookwall packer at 5620' for dry test. Left tool open for 55 minutes, recovered 300' water. Shut in pressure, 785#, I.F. 45#, F.F. 130#. Set Halliburton D.M. squeeze packer at 5619' and squeezed out 145' ~~sacks cement into perforations~~ 5660' - 5661' and 5686' - 5687' w/5200#. Drilled out D.M. packer and cement to 5680'. Made dry test with Halliburton packer at 5637'.

Perforated from 5671' - 5677' with 24 jet shots. Set Halliburton hookwall packer at 5655' to test perforations 5671' - 5677'. Recovered 97' heavily oil cut water on 18 hour test. Set H.M. packer 5650' to sand frac perforations 5671'-5677', however, formation would not break down with 6000# pressure. Pulled out of hole and set Halliburton D.M. bridge plug at 5549. Squeezed with 25 sx. w/6,000#. Perforations 3922-3923' with 2 shots. Set Halliburton H.R.C. squeeze tool at 3873' and squeezed out 170 sacks cement into perforations 3922' - 3923' w/3200# pressure. Drilled out to 3920' and perforated from 3912' - 3916' with 24 jet shots. Set Halliburton test tool at 3883' and left tool open 7 hours. Recovered 216' sulphur water. I.F.P. 45#, IFF 90#, S.I.P.

Set Halliburton H.M. packer at 3883'. Broke formation w/3800# pressure. Pumped in at 3400#. Started Desil sand frac w/1/4# sand per gallon. When sand hit formation the sand blocked the perforations. Put 7200# on tubing, however, the formation would not take the frac. Pulled out of hole and washed to bottom. Set Halliburton H.M. packer at 3899' and swabbed at the rate of 1/2 barrel of water with 20% oil per hour for 51 hours. Set Halliburton D.M. bridge plug at 3857' and cemented w/50 sacks cement w/4600# pressure. Set cement plug from surface to 92', w/50 sx and filled space between 5 1/2" casing and 10-3/4" w/cement.



1. The first of these is the fact that the Commission has not yet received any information from the Government of the United States regarding the results of its investigation of the activities of the American Friends Service Committee in the Philippines. It is therefore impossible for the Commission to make any statement regarding the results of its investigation of the activities of the American Friends Service Committee in the Philippines.

1. The first step in the process of the investigation is the identification of the problem. This is done by the investigator who is responsible for the investigation. The investigator must identify the problem and the scope of the investigation. The investigator must also identify the objectives of the investigation and the methods to be used. The investigator must also identify the resources available for the investigation.

100-443887-1000