

FILE NOTATIONS

Entered in NID File ✓

Checked by Chief RPS

Entered On S R Sheet _____

Copy NID to Field Office ✓

Location Map Pinned ✓

Approval Letter ✓

Card Indexed ✓

Disapproval Letter _____

IWR for State or Fee Land _____

COMPLETION DATA:

Date Well Completed 5-8-61

Location Inspected _____

OW _____ WW _____ TA _____

Bond released _____

GW _____ OS _____ PA ✓

State of Fee Land _____

LOGS FILED

Driller's Log 5-26-61

Electric Logs (No.) 3

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

Lat. _____ Mi-l _____ Sonic ✓ Others _____

9-27-91
LWP

DAVIS OIL COMPANY

OIL
PRODUCERS

1020 MIDLAND SAVINGS BLDG. • DENVER 2, COLORADO • Alpine 5-4661

NEW YORK, NEW YORK

DENVER, COLORADO

SALT LAKE CITY, UTAH

CASPER, WYOMING

ALBUQUERQUE, NEW MEXICO

March 13, 1961

Re: Navajo G-1-X
Navajo G-1-X2
San Juan Co., Utah

C

Mr. P. T. McGrath
U. S. Geological Survey
P. O. Box 965
Farmington, New Mexico

Dear Sir:

O

Enclosed please find an original and two copies of our Supplementary Well History in connection with the Navajo G-1-X and our Notice of Intention to Drill in connection with the Navajo G-1-X2. As the Sundry Notices set out, surface casing problems were again encountered and it was necessary to skid the rig 10' South of the G-1-X location for drilling of the Navajo G-1-X2.

P

It is still our understanding that the Navajo G-1, the original hole, is being used as a water hole. We will, however, file the proper Sundry Notice as soon as we know the exact disposition of both the Navajo G-1 and the Navajo G-1-X.

By a carbon copy of this letter, we are forwarding copies of the above to the Oil & Gas Conservation Commission.

Y

We thank you for your cooperation in this matter, and if there are any questions regarding same, we will be very glad to satisfy them.

Yours very truly,

DAVIS OIL COMPANY
ORIGINAL SIGNED
BY PAUL MESSINGER

Paul Messinger
Exploration Manager

PM:ljp
Encls.

CC: Mr. Cleon Feight
Oil & Gas Conservation Commission
310 Newhouse Bldg.
Salt Lake City, Utah

(SUBMIT IN TRIPPLICATE)

Indian Agency Window Rock

		9
27		

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee _____
Lease No. 14-20-603-222

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 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)

March 13, 19 61

Well No. Navajo G-1-X2 is located 720 ft. from [N] line and 660 ft. from [E] line of sec. 27
NE NE SEC. 27 43S 24E SLM
(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 above sea level is _____ 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)

- 3-13-61 - Drig @ 240'. Spudded 4:00 P.M. 3-12-61. Should set erf latathis aft.
- To set approximately 600' of 8-5/8" erf pipe w/approximately 500 sacks cement.
 - In the event of water flow, an intermediate 8-5/8" string will be run through the zone of trouble.
 - To test the top of the Molias formation at approximately 6400'.
 - In the event of commercial production, 5 1/2" OD csg will be set through the production zone and cemented with approximately 125 sacks cement.

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

Company DAVIS OIL COMPANY
Address 1020 Midland Savings Bldg.
Denver 2, Colorado

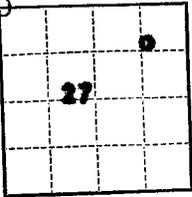
ORIGINAL SIGNED
BY PAUL MESSINGER
By Paul Messinger
Title Exploration Manager

(SUBMIT IN TRIPPLICATE)

Indian Agency Window Rock

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee _____
Lease No. 14-20-603-222



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	XXX
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)

March 13, 1961

Well No. Navajo G-1-X is located 710 ft. from N line and 660 ft. from E line of sec. 27

NE NE Sec. 27-
(¼ Sec. and Sec. No.)

438
(Twp.)

24E
(Range)

SLM
(Meridian)

Wildcat
(Field)

San Juan
(County or Subdivision)

Utah
(State or Territory)

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

3-10-61 - Started setting surface pipe at 6:00 A.M. Ran 20 joints (620.35') 3-5/8", 24# csg-sec at 633'. Cemented w/375 sacks. Float collar at 600' K.B. Plugged down at 10:35 A.M., 3-10-61

3-13-61 - Set. T.D. 1065'. Srf csg parted and were unable to continue drilling in hole. Skidded rig to new location 10' South. New location to be named Navajo G-1-X2

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

Company DAVIS OIL COMPANY
Address 1020 Midland Savings Bldg.
Denver 2, Colorado

ORIGINAL SIGNED
BY PAUL MESSINGER
By Paul Messinger
Title Exploration Manager

March 15, 1961

Davis Oil Company
1020 Midland Savings Bldg.
Denver 2, Colorado

Attn: Paul Messinger, Exploration Manager

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo G-1-X2, which is to be located 720 feet from the north line and 660 feet from the east line of Section 27, Township 43 South, Range 24 East, SEEM, San Juan County, Utah.

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

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

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT,
EXECUTIVE SECRETARY

CBF:avg

cc: P. T. McGrath, Dist. Engineer
U. S. Geological Survey

H. L. Coonts - OGCC, Moab

DAVIS OIL COMPANY

OIL
PRODUCERS

1020 MIDLAND SAVINGS BLDG. • DENVER 2, COLORADO • Alpine 5-4661

NEW YORK, NEW YORK
DENVER, COLORADO
SALT LAKE CITY, UTAH
CASPER, WYOMING
ALBUQUERQUE, NEW MEXICO

March 17, 1961

Re: Navajo G-1-X2
NE NE Sec. 27-438-24E
San Juan Co., Utah

C

Mr. P. T. McGrath
U. S. Geological Survey
P. O. Box 965
Farmington, New Mexico

O

Dear Sir:

Enclosed herewith for your files is an original and two copies of Sundry Notices and Reports on Wells, "Supplementary Well History", covering the subject well.

By carbon copy of this letter we are forwarding one copy of this report to Mr. Cleon Feight of the Oil & Gas Conservation Commission.

P

Very truly yours,

DAVIS OIL COMPANY

Paul Messinger
Exploration Manager

Y

PM-jt
Encls.

cc- Mr. Cleon Feight
Oil & Gas Conservation Commission
310 Newhouse Building
Salt Lake City, Utah

KRS

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

Form 9-881 b
(April 1952)

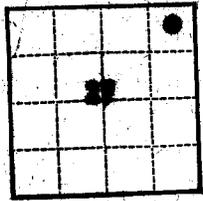
(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee _____

Lease No. 14-22-002-022



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)

March 17, 19 61

Navajo G-1-K2
Well No. 1 is located 710 ft. from N line and 660 ft. from E line of sec. 27

NE NE Sec. 27
(1/4 Sec. and Sec. No.)

43E 24E
(Twp.) (Range)

SLM
(Meridian)

Wildcat
(Field)

San Juan
(County or Subdivision)

Utah
(State or Territory)

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

- Spudded 4:00 P.M., 3-13-61.
- Ran 999' of 10 3/4", 32# casing - set at: 990'. Cemented with 800 sacks.
- Drilling at 2056' with Bit #5. Dev. 1 1/4" at 1790' on March 17, 1961.

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

Company Davis Oil Company
Address 1020 Midland Savings Bldg.
Denver 2, Colorado

BY PAUL MESSINGER
By Paul Messinger
Title Exploration Manager

PAUL R. BUEHLER
 PETROLEUM GEOLOGIST
 2775 CRABAPPLE RD.
 GOLDEN, COLORADO
 PHONE CR. 9-4323

April 10, 1961

Davis Oil Company
 1020 Midland Savings Bldg.
 Denver, Colorado

Gentlemen:

Enclosed herewith are a descriptive sample log, core description, drill stem test data, chronological log, bit record, slope test record, mud record and coring time from your Navajo G-1-X2, San Juan County, Utah. The formations penetrated and other data are as follows:

DAVIS OIL CO., & TIGER DRILG. CO., NAVAJO G-1-X2
 NE NE Sec. 27; T43S; R24E
 San Juan Co., Utah

Elev : 5111' grd; 5121' K.B.
 Conn : March 12, 1961
 Comp : April 8, 1961
 Csg : 10 3/4" @ 988' w/660 sxs
 Contr: Tiger Drilg. Co.
 Mud : Oil Emulsion
 Hole Size: 7 7/8"

Top	Formation	Depth	Schlum
	Chinle	874'	Schlum
"	Shinarump	1650'	"
"	Moenkopi	1820'	"
"	DeChelly	2095'	"
"	Organ Rock	2425'	"
"	Hermosa	3996'	"
"	Upper Ismay A ₁	4794'	"
"	Lower Ismay A ₂	4892'	"
"	Paradox shale	4946'	"
"	Desert Creek zone	4960'	"
"	Akah	5146'	"
"	Barker Creek	5300'	"
"	Pinkerton Trail	5516'	"
"	Molas	5762'	"
T.D.		5789'	"

Schlumberger measure was 11 feet higher than driller's measure at total depth and through the cored interval of Core #1, however Schlumberger appears to be about 9 feet higher than driller's measure from about 5000 feet to 5400 feet where several drilling breaks occurred which can be used to correlate to sonic log porosity.

The lower Ismay A-2 was encountered at 4903' Drlr; 4892' Schlum and at 4925' Drlr, 4914' Schlum a fast drilling break was encountered. After drilling 4 feet of this break, the samples were circulated at 4929' Drlr; 4918' Schlum. Samples from this break were found to contain brown oil stain and pin point porosity in an earthy, argillaceous, dolomitic limestone. The core barrel was run at 4929' Drlr, 4918' Schlum and core #1 cut to 4979' Drlr, 4968' Schlum. Recovery in the core was 2 feet of limestone, the same as that which had been drilled with oil stain and pin point porosity, 2 feet of limestone with black shale partings and no porosity or shows, 7 feet of limestone similiar to the top 2 feet but with only thin streaks of spotty oil stain in part of the 7 feet. This was followed by 3 feet of dense limestone with a 3 inch streak of small vugular porosity and oil stain in the upper 1 foot. Next was 4 feet of limestone with fair to good vugular porosity and oil stain but bleeding both oil and water and 2 feet of dense limestone with a vertical fracture and oil stain in the first foot. Below this was 3 feet of argillaceous limestone without shows, 19 feet of black paradox shale and 7 feet of upper Desert Creek Zone siltstone. The bottom 1 foot was lost. From the core and drilling samples, it appeared that two zones of porosity with oil shows were present in the Lower Ismay A-2 zone. The upper zone from 4925 to 4931' Drlr, 4914 to 4920' Schlum was 6 feet thick and contained pin point porosity in very fine crystalline, earthy, argillaceous limestone. The lower zone from 4943 to 4947' drlr; 4932 to 4936' Schlum was 4 feet thick and contained small vugular porosity in a coarse crystalline fossiliferous limestone which was bleeding both oil and water. A drill stem test of the interval 4919 to 4979' drlr, 4908 to 4968' Schlum yielded only 170 feet of fluid of which 20 feet was drilling mud, 90' was very slightly gas cut mud and 60' was very slightly oil and gas cut mud.

Drilling was resumed after the drill stem test on the Lower Ismay zone and a 3 foot drilling break was encountered in the Desert Creek zone from 4979 to 4982' drlr, 4970 to 4973' Schlum. Another break was encountered from 4992 to 4998' drlr, 4983 to 4989' Schlum. These breaks both had weak oil shows in limestone with leached oolite porosity, however it was decided not to test these zones until after total depth was reached. Drill stem test No. 3 was run on these zones with recovery of 95' of drilling mud.

In the Barker Creek zone, drilling breaks were encountered from 5327 to 5329' drlr, 5319 to 5321' Schlum and from 5334 to 5342' drlr, 5326 to 5334' Schlum. The samples contained dolomite with fair to good inter-crystalline porosity and brown oil stain therefore the zone was drill stem tested on DST #2 from 5320 to 5363' drlr, 5311 to 5354' Schlum. The test had gas to the surface in 12 minutes after reopening the tool from the original 5 minute formation purge, and the 30 minute initial shut in period. Recovery however was 662' of water, 90' of slightly oil and gas cut muddy water, 90' of heavily gas cut and slightly oil cut mud and 45' of slightly gas cut mud.

Several additional zones of porosity with oil shows were encountered immediately below the interval of drill stem test No. 2. These zones of drilling breaks along with their equivalent sonic log depths are listed as follows:

Drlg. break	Sonic log depth	Thickness
5355 to 5358'	5344 to 5347'	3'
5365 to 5368'	5356 to 5359'	3'
5369 to 5373'	5360 to 5363'	3'
5385 to 5389'	5375 to 5379'	4'
5398 to 5401'	5388 to 5391'	3'
5406 to 5410'	5396 to 5400'	4'

These zones were not drill stem tested because the shows appeared to be of poorer quality than the zones immediately above which had yielded water on DST #2.

It is understood that a completion effort is to be attempted on the two zones of porosity in the Lower Ismay A-2 zone and possibly on the two zones of porosity in the Desert Creek zone. It is believed that the 6 feet of porosity in the Ismay A-2 from 4914 to 4920' Schlum will prove to be too argillaceous for acid to be effective and that the 4 feet of porosity from 4932 to 4936' Schlum will be water bearing if permeability is induced by acid treatment. Less is known concerning the "rocks" from the Desert Creek zone porosity since it was not cored, however the results of drill stem test No. 3 along with samples, indicate that the zone is quite impermeable and it is believed that results of any completion attempt on that zone will also be negative.

Very truly yours,



Paul R. Buehler,
Geologist

PRB/j

SAMPLE DESCRIPTIONS

Samples examined and logged by Paul R. Buehler, geologist
on location. Samples begin at 1000'.

- 1000-1150 Ss, f.g.-m.g. pnk, silty.
- 1330 Ss, f.g.-v.f.g. pnk, silty.
- 1390 Sh, pnk, silty, gypsiferous.
- 1600 Sh, red-pnk, mottled.

TOP SHINARUMP 1650' Schlum

- 1690 Sh, red-pnk, mottled.
- 1780 Sh as above & Ls, f. xln, lav. nodular.

TOP MOENKOPI 1820' Schlum

- 1840 Sh, red-pnk.
- 1900 Sh, red & lav & Ls, gry-lav. nodular; Ltl grn sh.
- 1930 Sh, grn-lav & pnk.
- 2010 Sh, grn-gry grn, lav.

TOP DeChelly 2095' Schlum

- 2130 Sh as above; Ltl ss, wh, m.g. sa-sr, friable.
- 2200 Ss, wh, m.g. sa-sr, v. friable & sh as above.
- 2240 Ss as above.
- 2300 Ss, m.g.-crs g, sr, pnk friable (drills up free).
- 2350 Ss, m.g. sr, pnk, friable.
- 2400 Ss as above; Ltl ls, f. xln, wh, dns.

TOP ORGAN ROCK 2425' Schlum

- 2430 Ss, m.g. f.g. pnk, friable.
- 2450 Ss, f.g., v.f.g. slty.
- 2500 Sh, red, slty.
- 2900 Sh, red, slty w/ltl nodular ls..
- 3070 Sh, red, mica.
- 3100 Sh, red, mica w/anhly blebs.
- 3200 Sh, red, mica w/anhly blebs.
- 3240 Same.
- 3300 Sh, red & sh, gry-drk gry, carb, Consid anhy.
- 3330 Sh, red & sh, gry w/consid anhy.
- 3400 Sh, gry, ltl sltst, tan-pnk, consid anhy.
- 3500 Sh, red & sh, gry, ltl sltst, pnk-tan.
- 3580 Sh, red & sh, gry.
- 3600 Same; Ltl ls, tan, f. xln, dns.
- 3640 Sh, gry, ltl sltst, tan-crm, Consid ls, tan, f. xln, dns.
- 3660 Ls, tan, f. xln, dns, 70%; Sh, gry, 30%.
- 3700 Sh & sltst.
- 3730 Sh, gry w/ltl ls, tan, dns, f. xlr.
- 3800 Sh, red & sh, gry; Ltl sltst, tan.
- 4000 Slstst, red-pnk-tan, mica.

TOP HERMOSA 3996' Schlum

- 4010 Sh & sltst as above, 90%; Ls, wh, f. xln, 10%.

Davis Oil Co. & Tiger Drlg. Co., Navajo G-1-X2, San Juan County, Utah

- 4010-4070 Ls, wh-crm, f. xln.
- 4100 Sh, red-gry, 50%; Ls as above, 50%.
- 4120 Ls, wh-crm, f. xln, foram.
- 4145 Sltst, tan-pnk, mica.
- 4165 Ls, wh, f. xln, arenaceous; Consid chert, orange.
- 4180 Sh, gry & sltst, tan-pnk, mica.
- 4195 Ls, crm-gry, f. xln.
- 4275 Sltst, tan-pnk, mica w/small % ls.
- 4305 Ss, wh, f.g. v. calc to ls, f. xln, wh, aren. Consid orange chert.
- 4320 Sh, gry & sh, pnk.
- 4355 Ls, wh, f. xln, arenaceous.
- 4380 Sh, gry & sh, pnk-rd.
- 4395 Ls, wh, f. xln, chalky.
- 4450 Sh, red & sh, gry.
- 4475 Sh, gry; f. xln, argil.
- 4495 Sh, gry, calc & Ls, gry-argil, mica.
- 4530 Ls, wh, f. xln.
- 4565 Sh, gry, fiss.
- 4575 Ls, wh, f. xln.
- 4585 Sh, gry, calc & Ls, gry, argil.
- 4620 Ls, m. xln, gry.
- 4640 Sh, gry & Ls as above.
- 4680 Sh, gry.
- 4690 Sh, gry & sltst, gry, calc.
- 4710 Ls, gry, m. xln.
- 4725 Sh, gry, fiss.
- 4730 Ls, crm-gry, f. xln-m. xln & sh, gry, fiss.
- 4800 Ls, crm-gry, f. xln-m. xln.

TOP UPPER ISMAY A-1 4794' Schlum

- 4815 Sh, gry-drk gry, fiss.
- 4820 Sh as above; Tr ls, wh-crm, f. xln.
- 4850 Ls, wh-crm, m. xln, sli oolitic.
- 4860 Ls, wh-crm, m. xln, w/ltl chert, wh.
- 4865 Ls as above & sh, gry, fiss.

TOP LOWER ISMAY A-2 4892' Schlum

- 4915 Sh, gry-drk gry, fiss.
- 4925 Ls, gry, f. xln, sli argil.
- 4929 (Circ 20 min) Ls, f. xln, gry-tan, sli sucrosic, some w/lt tan oil stain, bright yellow fluor, trace pin point por.
- 4929 (Circ 40 min) Ls, f. xln, tan, sli sucrosic, 50%; w/lt tan oil stain, bright yell fluor. pin point por. Sample odor.
- 4929 (Circ 60 min) Ls as above.

CORE #1 4929 to 4979' Drlr; 4918 to 4968' Schlum
DST #1 4919 to 4979' Drlr; 4908 to 4968' Schlum

TOP PARADOX Shale 4946' Schlum
TOP DESERT CREEK zone 4960' Schlum

- 4979-4985 Sh, gry & sltst, gry.
- 4990 Ls, wh-gry, m. xln, w/traces of fair small vug por. Spotty oil stain, yell fluor in about 10% of smpl. (From drlr break 4980-83')

Davis Oil Co., & Tiger Drlg. Co. Navajo G-1-X2, San Juan County, Utah

- 4990-4995 Ls, wh-crm, m. xln, chalky, Ltl ls as above.
- 5000 Ls, wh-crm, m. xln, No show & Ls, m. xln, tan w/small vug por.
- 5005 Ls, wh-gry, m. xln, some por. Trace fluor.
- 5020 Ls, wh & gry, m. xln, shly.
- 5050 Ls, wh-gry, m. xln, shly.
- 5080 Ls, gry-tan & blk, v. argil.
- 5085 Ls, gry-tan, m. xln, argil w/ltl gyp.
- 5090 Ls as above; Tr dolo, tan, f. xln, granular.
- 5100 Dolo, tan-brn, f. xln, w/brn oil stain, yell fluor. No por & Ls as above.
- 5110 Ls, crm-gry, m. xln.
- 5120 Ls as above & sh, blk.
- 5125 Sh, gry-blk.
- 5130 Sh, gry-blk, & Ls, crm-gry, m. xln.

TOP AKAH 5146' Schlum

- 5160 Sh, gry.
- 5200 Sh, gry w/ltl anhydrite.
- 5245 Sh, gry w/consid anhydrite.
- 5250 Dolo, tan, m. xln & anhydrite.
- 5275 Dolo, tan, m. xln & sh, gry w/ltl anhy.
- 5285 Dolo, tan-buff, m. xln.
- 5300 Dolo, tan-buff, m. xln w/ltl tan chert.

TOP BARKER CREEK 5300' Schlum.

- 5305 Dolo, crm-tan, f. xln-m. xln & sh, gry.
- 5325 Dolo, m. xln, gry-tan.
- 5340 Dolo as above; Ltl dolo, tan-brn, f. xln, sucrosic to crystalline w/brn oil stain, yell fluor, fair por, 5%.
- 5350 Dolo, tan-buff, m. xln, w/ltl brn oil stain, yell fluor, fair to good inter xln por, 50% fluor.
- 5360 Dolo, as above.

DST #2 5320-5363' Drlr

- 5365 Dolo, tan-buff, m. xln, dns, No por. No show.
- 5390 Dolo, tan-buff, m. xln, some w/fair inter xln por. Brown oil stain.
- 5415 Dolo, crm-tan, m. xln, granular some w/inter xln por & lt brn oil stain.
- 5425 Dolo, crm-wh, f. xln-m. xln. No por. No show.
- 5430 Dolo as above & Dolo, f. xln-m. xln, gry, argil.
- 5435 Dolo, f. xln, gry, v. argil.
- 5440 Sh, gry.
- 5450 Sh, gry & Dolo, crm-tan, f. xln.
- 5455 Dolo, tan, m. xln, w/fair inter xln por, & ltl brn oil stain.
- 5465 Dolo, tan-brn, m. xln-f. xln.
- 5495 Dolo, tan-brn, m. xln-f. xln, dns & Ls, crm-tan, f. xln, dns.
- 5515 Ls, crm-tan, f. xln & Ls, tan-brn, f. xln, dolo.

TOP PINKERTON TRAIL 5516' Schlum

- 5530 Ls as above; Consid chert.
- 5550 Ls, crm-wh, f. xln, w/ltl sh, gry.
- 5570 Dolo, wh, f. xln, & Ls, wh, f. xln, chalky.
- 5575 Ls, wh, f. xln, chalky & Ls, wh-tan, m. xln, oolitic.
- 5590 Ls, crm-tan, m. xln, v. oolitic.

Davis Oil Co., & Tiger Drlg. Co. Navajo G-1-X2, San Juan County, Utah

- 5590-5610 Ls, wh, m. xln, dolomitic w/some inter xln por. No show.
-5630 Ls, crm-tan, m. xln.
-5635 Ls as above; Ltl chert, white.
-5650 Ls, wh-crm, f. xln, chalky.
-5660 Ls, wh, f. xln, chalky.
-5670 Ls, crm-tan, f. xln, dns; Ltl sh, rd-maroon.
-5675 Ls, wh-crm, f. xln, chalky.
-5685 Ls, crm-wh, f. xln & sh, rd-gry-grn.
-5695 Ls, crm-gry, f. xln; Consid chert, blk-tan.
-5700 Sh, gry, gry-grn, Ltl ls & chert.
-5710 Ls, wh-crm, f. xln w/consid chert & sh, gry-grn.
-5735 Ls, tan-gry, f. xln, dns & sh, gry, gry-grn.
-5745 Ls, wh, f. xln, chalky, Consid chert.
-5755 Ls, wh, f. xln, chalky w/consid chert.
-5760 Sh, gry & Ls as above.

TOP MOLAS 5762' Schlum

- 5770 Sh, red and maroon.
-5780 Sh, red & maroon; Consid chert; Ltl ls.
-5800 Ls, crm-wh, f. xln & sh, gry.
-5800 (Circ 1 hr) Sh, gry w/ltl ls as above.

T.D. 5800' Drlr; 5789' Schlum

Ran Schlum GR-Sonic; I.E.S. & Microlog

Ran DST #3


Paul R. Buehler,
Geologist

CORE RECORD

Core No. 1, 4929-4979' Drlr; 4918-4968' Schlum

Drlr	Schlum		
4929-31	4918-20	(2')	Ls, f. xln, gry-tan, v. argillaceous, earthy, w/fair to poor pin point porosity. Weak oil odor, light brown oil stain. Spotty to solid yellow fluor.
4931-33	4920-22	(2')	Ls, f. xln, gry, w/thin black shale partings. No porosity. No show.
4933-40	4922-29	(7')	Ls, f. xln, gry-tan, argillaceous, earthy w/thin streaks of spotty oil stain at 4933-35 Drlr (4922-24 Schlum) and at 4939' drlr (4928' Schlum). Spotty yellow fluor. Weak oil odor. No porosity.
4940-43	4929-32	(3')	Ls, m. xln-f. xln, gry, dense w/3 inch streak of small vug porosity from 4940-41 drlr (4929-30' Schlum) Fair oil odor in vugs, spotty yell fluor. No show except in vugs.
4943-47	4932-36	(4')	Ls, m. xln-crs. xln, gry to brn, v. fossiliferous, fair to good vug porosity, good oil odor, spotty yell fluor, good oil stain in vugs, bleeding oil and salt water, tight dense streak @ 4945-45½ drlr (4934-34½ Schlum) Vert fracture @ 4946½-47' Drlr (4935½-36 Schlum).
4947-49	4936-38	(2')	Ls, m. xln, gry, dns, spotty oil stain @ 4947-48 Drlr (4936-37 Schlum) in vert fracture.
4949-52	4938-41	(3')	Ls, m. xln-f. xln, gry-tan, argil, bleeding trace of water. No porosity. No show.
4952-71	4941-60	(19')	Sh, blk.
4971-78	4960-67	(7')	Siltstone, gry, silic.
4978-79	4967-68	(1')	Lost.

CORING TIME

	minutes per foot
4929-4941	16-27-22-33-40-28-34-29-30-28-24-31
-4953	16-18-23-18-15-16-23-29-41-26-20-25
-4965	32-36-38-39-36-41-46-50-48-39-38-33
-4979	39-37-36-40-39-33-35-52-48-35-25-25-22-25

CRONOLOGICAL LOG

March 1 Move rig. Set mud tanks. Set sub.
 March 2 Rig up. Spud on evening tour. Drlg. 0 to 391' with 7 7/8" hole. Drl'd rt hole & mouse hole.
 March 3 Drlg 391 to 1123' with 7 7/8" bit. Reamed 7 7/8" hole to 12 1/4" hole 0 to 455'.
 March 4 Ream 455 to 620' to 12 1/4" hole. Ran 603' of 8 5/8" surf csg set @ 616' with 400 sxs cement 2% CaCl. Plug down @ 5:30 a.m. W.O.C. 5:30 a.m. to 6:30 p.m. Drlg 1123 to 1348' with 7 7/8" bit.
 March 5 Drlg 1348 to 2028'.
 March 6 Drlg 2028 to 2507'.
 March 7 Drlg 2507 to 2661'. Started in hole w/bit #7 and hit parted surf csg @ 619'. Wait on tools. Run swedge one time. Inside milling tool 3 times. Ran bit 3 times. Ran bit 1 time. Ran inside milling tool 1 time. Layed down tools @ 5:10 p.m. Prepare to skid.
 March 8 Rig down and skid rig 50'. Rigging up.
 March 9 Rigging up on G-1-X. Drill rat hole and mouse hole. Drill 12 1/4" hole 0 to 375'.
 March 10 Drlg 12 1/4" hole 375 to 634'. Ran 620' of 8 5/8" surf csg. Plug down @ 11:00 a.m. W.O.C. Work on water well.
 March 11 Drlg 7 7/8" hole 634 to 1210'. Surf csg parted at approx 613 feet. Wait on tools. Ran fishing tools. Prepare to skid rig.
 March 12 Skid rig 10' to G-1-12. Drlg rat hole and mouse hole. Drill 0 to 200' with 15" bit.
 March 13 Drlg 200 to 237 with 12 1/4" bit. Ream 200 to 237 with 15" bit. Drill 237 to 752' with 15" bit.
 March 14 Drill 752 to 988' with 15" bit. Ran 33 joints (1002.62') of 10 3/4" surf csg. landed @ 988' K.B. Cemented w/660 sxs of 50% pozmix - 50% common, 2% gel with 80 sxs common to 2% CaCl₂. Plug down @ 7:20 p.m. W.O.C.
 March 15 W.O.C. Drlg 988 to 1233 w/7 7/8" bit.
 March 16 Drlg 1233 to 1905'.
 March 17 Drlg 1905 to 2512'.
 March 18 Drlg 2512 to 2946'.
 March 19 Drlg 2946 to 3335'.
 March 20 Drlg 3335 to 3648'.
 March 21 Drlg 3648 to 3890'.
 March 22 Drlg 3890 to 4131'.
 March 23 Drlg 4131 to 4340'.
 March 24 Drlg 4340 to 4476'.
 March 25 Drlg 4476 to 4615'.
 March 26 Drlg 4615 to 4818'.
 March 27 Drlg 4818 to 4915'.
 March 28 Drlg 4915 to 4929. Coring 4929-4958'.
 March 29 Coring 4958 to 4979'. Ran DST #1. 4919 to 4979' Drlr.
 March 30 Drlg 4980 to 5060'.
 March 31 Drlg 5060 to 5185'.
 April 1 Drlg 5185 to 5300'.
 April 2 Drlg 5300 to 5363'. Ran DST #2 5320 to 5363' Drlr.
 April 3 Pull DST #2. Drlg 5363 to 5468'.
 April 4 Drlg 5468 to 5562'.
 April 5 Drlg 5562 to 5660'.
 April 6 Drlg 5660 to 5757'.
 April 7 Drlg 5757-5800' T.D. Ran Schlum E.S. Induction, GR-Sonic & Microlog
 April 8 Ran DST #3 4964 to 4998' Schlum.

Davis Oil Co. & Tiger Drlg. Co., Navajo G-1-X2, San Juan County, Utah

SLOPE TESTS

G - 1			G - 1 - X		
March 3	542'	0 degrees	March 9	250'	1 degree
March 3	997'	1 1/4 "	March 10	515'	3/4 "
March 5	1799'	1 "	March 11	1210'	1 1/4 "
March 6	2063'	3/4 "			
March 6	2430'	1/2 "			

G - 1 - X2					
March 13	238'	1 1/4 "	March 19	3557'	1 "
March 13	306'	3/4 "	March 21	3881'	1 1/4 "
March 13	550'	1 1/4 "	March 22	4050'	1 1/4 "
March 14	800'	?	March 23	4147'	2 "
March 16	1500'	1 1/4 "	March 23	4294'	1 1/2 "
March 17	2003'	1 3/4 "	March 25	4525'	1 1/2 "
March 17	2442'	1/2 "	March 30	5049'	2 "
March 18	2647'	1/2 "	April 2	5363'	3 1/2 "
March 19	3151'	1/2 "	April 4	5532'	3 "

MUD RECORD

Date	Depth	Wt	Vis	Gel	Wtr loss	Cake	Sand	P.H.	Salt
March 4	1123'								
March 6	2430'	9.4	54	4-50	3.0	1	1 1/4	11.6	400
March 10	(Resetting surface)								
March 12	(Drilling surface hole)								
March 14	(Drilling surface hole)								
March 16	1720'	9	41	0-10	7.0	1 1/2	1/4	12.0	300
March 18	2710'	9.2	46	0-14	2.0	1	1/8	12.0	600
March 20	3556'	9.5	44	5-26	8.4	2	1/8	11.0	500
March 22	4050'	9.6	43	1-18	5.0	1 1/2	1/8	11.5	400
March 24	4415'	9.5	39	1-14	3.0	1	1/8	12.2	600
March 26	4735'	9.6	43	0-12	2.0	1	1/8	12.0	500
March 28	4946'	9.6	60	4-30	1.6	1	1/8	12.0	400
March 30	5035'	9.5	50	1-28	1.4	1	1/8	11.5	550
April 1	5245'	9.5	65	7-48	4.0	1 1/2	1/4	11.4	450
April 3	5426'	9.6	64	5-39	3.0	1	1/4	11.0	900
April 5	5624'	9.7	69	5-40	2.8	1	1/8	11.0	700

Davis Oil Co., & Tiger Drlg. Co., Navajo G-1-X2, San Juan County, Utah

BIT RECORD

G-1

1.	C.P.	7 7/8"	ES10	0-851'	851'	6	hours.
2.	HTC	"	OSC-3	851-1123'	272'	6	"
1.	Smith	12 1/4"	DT	0-620'	620'	5 1/2	"
2.	HTC	7 7/8"	OSC-3	1123-1427'	304'	8 3/4	"
3.	Smith	"	DT2G	1427-1799'	372'	8 1/2	"
4.	Sec.	"	S4	1799-2063'	264'	9	"
5.	Reed	"	YT	2063-2430'	367'	9 1/2	"
6.	Smith	"	K ₂ P	2430-2660'	230'	11 1/4	"
7.	Reed	"	YT	2660-			

G-1-X

1.	Smith	12 1/4"	DT	0-131'	131'	?	
2.	Smith	"	DT	131-634'	503'	?	
3.	C.P.	7 7/8"	ES10	634-1210'	576'	12 1/2	"
4.	Smith	"	DT	1210-			

G-1-X-2

1.	Reed	15	Reamer	0-88'	88'	4 3/4	"
1.	Smith	7 7/8	DT	0-88'	88'	4 3/4	"
1.	Smith	12 1/4"	DT	88-238'	158'		
2.	Smith	15	K ₂ P	238-988'	750'	26 1/2	"
3.	HTC	7 7/8"	OSC-3	988-1696'	708'	23	"
4.	Sec	"	S-4	1696-2003'	307'	11 1/2	"
5.	Reed	"	YT	2003-2442'	439'	11 1/2	"
6.	Smith	"	K ₂ P	2442-2647'	204'	12 1/2	"
7.	Sec.	"	S-6	2647-2973'	326'	13 3/4	"
8.	Reed	"	YT	2973-3151'	178'	8 1/2	"
9.	Smith	"	K ₂ P	3151-3366'	215'	10 3/4	"
10	HTC	"	OSC	3366-3557'	191'	12 1/2	"
11	Sec	"	S-6	3557-3729'	172'	11 3/4	"
12	Smith	"	K ₂ P	3729-3881'	152'	11 3/4	"
13	"	"	"	3881-4050'	169'	14	"
14	"	"	"	4050-4147'	97'	9	"
15	"	"	SV2	4147-4294'	147'	11 1/2	"
16	Sec	"	M4N	4294-4367'	73'	8 3/4	"
17	Reed	"	YS1	4367-4433'	66'	11 1/4	"
18	Sec	"	M4N	4433-4525'	92'	12 1/2	"
19	HTC	"	OWV	4525-4615'	90	12 1/2	"
20	Smith	"	SV2	4615-4734'	119'	12	"
21	Sec	"	M4N	4734-4841'	107'	11 1/2	"
22	Reed	"	YS	4841-4873'	32'	12	"
23	Sec	"	M4L	4873-4929'	56'	7	"
24	HTC	"	OWC	4980-5049'	69'	13 1/4	"
25	Smith	"	T2	5049-5132'	83'	14 1/2	"
26	Smith	"	T2	5132-5214'	82'	11 1/2	"
27	Reed	"	YM	5214-5291'	77'	10 1/2	"
28	HTC	"	W7	5291-5363'	72'	12	"
29	Reed	"	YH	5363-5445'	82'	10 1/2	"
30	HTC	"	W7	5445-5488'	43'	10	"

Davis Oil Co., & Tiger Drlg. Co., Navajo G-1-X2, San Juan County, Utah

BIT RECORD CONT'd

31	HTC	7 7/8"	W7	5488-5532'	44'	8 1/2	hours
32	Sec	"	H7	5532-5601'	69'	12	"
33	Sec	"	H7	5601-5660'	59'	13	"
34	Reed	"	YH	5660-5706'	46'	9	"
35	Smith	"	L4	5706-5765'	59'	11 1/2	"
36	Smith	"	T2	5765-5800'	35'	5 1/2	"

28

Copy to HC

R22

Budget Bureau No. 42-R356.5.
Approval expires 12-31-60.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Window Rock
LEASE NUMBER 14-20-603-222
UNIT Davis Navajo "G"

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 April, 19 61

Agent's address Box 480, Farmington, New Mexico Company Pan American Petroleum Corporation ORIGINAL SIGNATURE

Signed L. O. Speer, Jr.

Phone 325-8841 Agent's title Area Superintendent

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 27	43S	24E	1-X-2	-	NONE	-	NONE	NONE	NONE	Davis Navajo "G" No. 1-X-2 Total depth 5800' plug back depth 5051'. Cleaning out well preparing for completion operations. Pan American Petroleum Corporation assumed operation from Davis Oil Company on April 9, 1961.

COPY

1961 SMUL

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 to file

Budget Bureau No. 42-R356.5.
Approval expires 12-31-60.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Window Rock
LEASE NUMBER 14-20-603-222
UNIT Davis Navajo "G"

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 April, 1961,

Agent's address Box 480, Farmington, New Mexico Company Pan American Petroleum Corporation

Phone 325-8841 Signed _____
Agent's title Area Superintendent

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)
NE NE 27	43S	24E	1-X-2	-	NONE	-	NONE	NONE	NONE	Davis Navajo "G" No. 1-X-2 Total depth 5800' plug back depth 5051'. Cleaning out well preparing for completion operations. Pan American Petroleum Corporation assumed operation from Davis Oil Company on April 9, 1961.

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.

		X

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency
Window Rock
Allottee
14-20-603-222
Lease No.

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)

Davis Navajo "C" Farmington, New Mexico May 12, 1961

Well No. **1-1-2** is located **730** ft. from **N** line and **660** ft. from **E** line of sec. **27**
NE/4 NE/4 of Section 27 T-43-S R-24-E Salt Lake
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildest San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **5120** 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)

As a result of not obtaining a commercial completion we plan to plug and abandon the above well as follows:

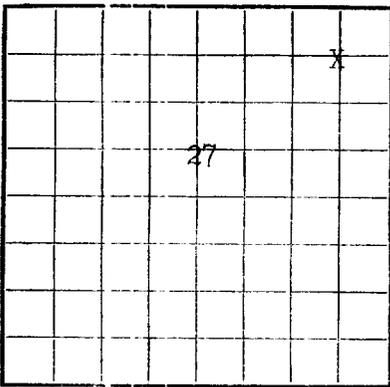
1. Spot 200 sacks cement plug at present cleaned out total depth of 2620'.
2. Spot 200 sacks cement plug 1350-1750'.
3. Spot 10 sacks cement plug in top of 10-3/4" surface casing and erect abandonment marker.
4. Use heavy mud between all plugs.

Verbal approval received May 5, 1961, from Mr. P. T. McGrath for above procedure.

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 **R. M. Bauer, Jr.**
Title **Senior Petroleum Engineer**

U. S. LAND OFFICE Window Rock
SERIAL NUMBER 14-20-603-222
LEASE OR PERMIT TO PROSPECT
Davis Navajo "G"



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 Davis Navajo "G" Field Wildcat State Utah
Well No. 1-X-2 Sec. 27, T43S. R. 24E Meridian Salt Lake County San Juan
Location 720 ft. [S.] of N. Line and 660 ft. [W.] of E. Line of Section 27 Elevation 5121 (RDB)
(Denote 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 R. M. Bauer, Jr.
Title Senior Petroleum Engineer

Date May 23, 1961

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

Commenced drilling March 12, 1961 Finished drilling April 7, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from NONE to 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-	
10-3/4"	98.5	8	W.S. K&B	660					Surface
4-1/2"	98.5	8	W.S. K&B	135					Surface

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	985' K.B.	660 sacks of cement			
4-1/2"	5121'	135 sacks of cement	Halliburton 2 Plug.		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Size

SHOOTING RECORD

FOLD MARK

FOLD MARK

10-3/4"	9881K.B.	560 sacks of cement	
4-1/2"	51211	135 sacks of cement	Halliburton 2 Plug.

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 5800 feet, and from feet to feet

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

As a result of poor commercial shows and hole difficulties well was plugged and abandoned on May 8, 1961.

DATES
Put to producing Plugged and abandoned, 19.....

The production for the first 24 hours was NONE barrels of fluid of which % was oil % emulsion; % water; and % sediment. Gravity, °Bé.

If gas well, cu. ft. per 24 hours NONE Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

The Tiger Drilling Company, Driller Driller
1810 First National Bank Building Driller
Denver, Colorado Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	874	874	Summerville-Entrada-Carmel-Navajo-Kayenta-wingate
874	1650	776	Chinle
1650	1820	170	Shinarump
1820	2095	275	Moenkopi
2095	2425	330	DeChelly
2425	3996	1571	Organ Rock-Rico
3996	4794	798	Hermosa
4794	4892	98	Upper Ismay
4892	4946	54	Lower Ismay
4946	4960	14	Paradox Shale
4960	5146	186	Desert Creek Zone
5146	5300	154	Akah Zone
5300	5516	216	Barker Creek Zone
5516	5762	246	Pinkerton Trail
5762	5800	38	Molas

MAY 16 1961

The Davis Navajo #0# 1-X-2 was spudded on March 12, 1961. Drilled 0 to 200' with 15" bit. On March 13, drilled 200 to 237' with 12-1/4" bit then reamed 200 to 237' with 15" bit. Then drilled 237 to 752' with 15" bit. On March 14, drilled 752 to 988' with 15" bit. Ran 33 joints (1002.62') of 10-3/4" surface casing landed at 988' K.B. Cemented with 660 sacks of 50 percent pozmix - 50 percent common, 2 percent gel with 80 sacks common to 2 percent CaCl. Plug down at 7:20 P.M. W.O.C. From March 15, to March 28, drilling was continuous from 988' to 4929'. At 4929' coring was commenced and core No. 1 was cut from 4929' to 4979'. DST No. 1 was then run from 4919 to 4979'. Initial shut in was taken for 30 minutes then the tool was open for 1-1/2 hours with fair blow decreasing to weak at end of test. Final shut in was taken for 30 minutes. Recovery was 20' mud; 90' slightly gas cut mud; 60' was slightly oil and gas cut mud. Pressures were as follows: ISI 1660; FSI 1405; IF 105; FF 140; IH 2565; FH 2535. Drilling was then resumed from March 30, to April 2, from a depth of 4979 to 5063 when DST No. 2 was taken from 5320 to 5363. Initial shut in was taken for 30 minutes then the tool was open for 1-1/2 hours. Had a strong blow immediately with gas to surface in 12 minutes. Took a 30 minute final shut in. Recovery was 45' slightly oil and gas cut mud; 90' heavily oil and gas cut mud; 90' slightly oil and gas cut muddy water and 662' of black salty sulphur water. Pressures were as follows: ISI 1780; FSI 1530; IF 115; FF 335; IH 2675; FH 2650. Drilling was then resumed on April 3, and was continuous to total depth 5800'. Schlumberger Induction Electric, Gamma-ray Sonic and Micrologs were run on April 7. On April 8 DST No. 3 was taken from 4964 to 4998'. A 30 minute initial shut in was taken then the tool was opened for one hour with weak blow. A 30 minute final shut in was taken. Recovery was 95' of mud. Pressures were as follows: ISI 1780; FSI 420; IF 50; FF 110; IH 2690; FH 2690.

Total depth 5800' - Pan American took over operations April 9, 1961. Spotted 215 sacks cement plug with 15 percent sand. Pulled drill pipe to 5040' and reversed out 15 sacks. Found top of cement at 5112' - washed out and drilled to hard cement at 5120'. 4-1/2" casing set at 5121' with 135 sacks cement - top of cement at 4480' by temperature survey. Tested casing 3000 psi 15 minutes ok. Plug back depth 5051'. Perforate 4980-4990' - acidized with 1500 gallons regular acid. Recidize with 3500 gallons retarded acid below packer set at 4957' swab down to 4850' with 3130 and 10 BW in 9 hours. Pulled tubing and failed to recover packer, one joint of tail pipe and 17 joints of tubing. Failed to recover fish. Welded on to casing and pulled 79 joints on 2545 feet of 4-1/2" casing.

Moved in workover rig, went in hole with bit on 2-7/8" drill pipe, hit bridge at 1668', cleaned out, cavings and reamed with 7-7/8" and 7-5/8" bits to 2566' or 21 feet below top of fish. Ran electric and induction logs to 2565' without indication of by-passed pipe hole deviation measurements same range as original drilling. Cleaned out to 2620' with 7-3/4" bit apparently in side tracked hole. As a result of poor commercial shows and hole difficulties, well was plugged and abandoned as follows on May 8, 1961:

1. Spotted 200 sacks cement plug 2220-2620' with heavy mud 1750-2220'.
2. Spotted 200 sacks cement plug 1350-1750' with heavy mud from surface to 1350'.
3. Spotted 10 sacks cement plug in top of 10-3/4" surface casing and erected abandonment marker.

(SUBMIT IN TRIPLICATE)

Indian Agency _____

		X

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Window Rock

Allottee _____

Lease No. 14-20-603-222

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)

Davis Navajo "G" Farmington, New Mexico May 23, 19 61

Well No. 1-X-2 is located 720 ft. from ^[N] line and 660 ft. from ^[E] line of sec. 27

NE/4 NE/4 of Section 27 T-13-S R-24-E Salt Lake
(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 above sea level is 5121 ft. (RDB)

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)

As a result of poor commercial shows and hole difficulties, Davis Navajo "G" 1-X-2 was plugged and abandoned as follows on May 8, 1961:

1. Spotted 200 sacks cement plug 2220-2620' with heavy mud 1750-2220'.
2. Spotted 200 sacks cement plug 1350-1750' with heavy mud from surface to 1350'.
3. Spotted 10 sacks cement plug in top of 10-3/4" surface casing and erected abandonment marker.

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

ORIGINAL SIGNED BY
R. M. Bauer, Jr.

Farmington, New Mexico

By _____

Attn: L. O. Speer, Jr.

Title Senior Petroleum Engineer

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ALLOTTEE _____
TRIBE Navajo Tribal
LEASE No. 14-20-603-222
Davis Navajo "G"

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, 1961,

Agent's address Box 480, Farmington, New Mexico Company Pan American Petroleum Corporation

Signed L. O. Spain, Jr.

Phone 325-8841 Agent's title Area Superintendent

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 27	43S	24E	1-X-2	-	NONE	-	NONE	NONE	NONE	Total depth 5800' Plug back depth 5051' - Well plugged and abandoned May 8, 1961 as a result of poor commercial shows and hole difficulties. FINAL REPORT

FORM FILED IN lieu OF FORM

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.