P-W

Davis Oil Co. 1 Navajo-C
SE/4-SE/4 Sec 29-41N-29E
Apache County

139

County Apache

Area

Lease No. Nav. 14-20-603-225

Well Name Davis Oil Company #1 Navajo-C

Location SE SE Sec 29 Twp 41N Range 29E Footage 660 FS & EL

Elev 5435 Gr 5445 KB Spud Date 1-18-61 Complete Abandon 2-28-61 Total Depth 6749

Contractor: Approx. Cost $

Drilled by Rotary X
Cable Tool

Casing Size	Depth	Cement

Production Horizon

Initial Production P & A

REMARKS: Core descrps, DSTs

Elec. Logs ~~IE, Micro, Sonic~~

Applic to Plub X Plugging Record X Completion Report X

Sample Log Am Strat
Sample Descript X
Sample Set T-1193 P-607
Cores

Water well - accepted by

Bond Co. & No. Insurance Company of North America M 21-77-11

Bond Am't $ 2,500 Cancelled YES Date Organization Report X

Filing Receipt 9252 dated 12-30-60 Well Book X Plat Book X

Loc. Plat X Dedication E/2 SE/4 29-41N-29E

Sample 607

PERMIT NO. 139 Date Issued 12-30-60

API# 02-001-05165

ARIZONA
APACHE CO.
WILDCAT (W)

139

PETROLEUM INFORMATION
DENVER CASPER
ROCKY MOUNTAIN
OIL INFORMATION

Twp 41n-29e
Section 29
c se se
660 n/s 660 w/e

OPR: Davis Oil; Tiger Drlg.

WELL #: 1 Navajo "C"

ELEV: 5446 DF

*TOPS: Log-~~Sample~~

Chinle 880
Shinarump 2110
Moenkopi 2195
DeChelly 2479
Organ Rock 2774
Rico 3462
Hermosa 4268
Ismay A-1 4926
Ismay A-2 5010
Paradox Sh 5072
Desert Creek 5078
Akah 5166
Barker Creek 5368
Pinkerton Trail 5550
Molas 5780
Mississippian 5898
Ouray 6188
Elbert 6262
McCracken 6538
Lynch 6580
Cambrian 6724

DSTS. & CORES:

Crd 5054-65, rec 10 - 1 ls, grey, vuggy & ppp, bleeding oil & salt wtr; 9 ls, grey, fine crys, dense, thin sh streaks. DST 5216-31, 2 hrs, strong blow, gas in 25 min @ 100 MCFPD, rec 180 OCM, 1000 salt wtr, FP 230-755#, SIP (30 min) 2005#, HP 2682#.

SPUD: 1-17-61 COMPL: 2-28-61
TD: 6749 PB:
CSG: 8-5/8" @ 237 w/200

PERF:

PROD. ZONE:

INIT. PROD: D & A

Contr: Tiger

ARIZ 2-162030

*For Electric Logs on Rocky Mountain Wells—Ask Us!

16

STATE OF ARIZONA
OIL AND GAS CONSERVATION COMMISSION
PHOENIX, ARIZONA

Form O & G 56

Form Prescribed Under Oil and Gas Conservation Act of 1951

ABANDONMENT AND PLUGGING RECORD

(Within thirty days after the plugging of any well has been accomplished, the owner or operator thereof shall file this form with the Commission, setting forth in detail the method used in plugging the well.)

PLUGGING METHODS AND PROCEDURE- - The methods and procedure for plugging a well shall be as follows: (a) The bottom of the hole shall be filled to, or a bridge shall be placed at, the top of each producing formation open to the well bore, and in either event a cement plug not less than fifty (50) feet in length shall be placed immediately above each producing formation open to the well bore when ever possible.

(b) A cement plug not less than fifty (50) feet in length shall be placed at approximately fifty (50) feet below all fresh-water-bearing strata.

(c) A plug shall be placed at or near the surface of the ground in each hole.

(d) The interval between plugs shall be filled with heavy-mud-laden fluid.

(e) An uncased hole shall be plugged with heavy mud up to the base of the surface string, at which point a plug of not less than fifty (50) feet of cement shall be placed.

Operator DAVIS OIL COMPANY
Field Wildcat
Pool Wildcat
County Apache

Address all correspondence concerning this form to: Paul Messinger
Street: 1020 Midland Savings Bldg. City: Denver 2, State: Colorado
Lease Name Navajo #14-20-603-225 Well No. Navajo C-1 Sec. 29 Twp. 41N Rge. 29E
Date well was plugged February 28, 19 61
Was the well plugged according to regulations of the Commissioner? yes
Set out method used in plugging well and record of casing pulled: No casing pulled.

Plugged as follows:	6250 - 6050	200'	60 sxs	Cover	Elbert
	5000 - 4850	150'	45 sxs	"	Ismay-Paradox
	3500 - 3400	100'	30 sxs	"	Rico
	2500 - 2400	100'	30 sxs	"	DeChelly
	950 - 800	150'	45 sxs	"	Chinle
	350 - 200	150'	45 sxs	"	base of surface pipe
	28 - 0-	28'	10 sxs		top of surface pipe

Heavy mud fills interval between plugs. Regulation marker installed.

(AFFIDAVIT)

STATE OF ~~ARIZONA~~ Colorado
COUNTY OF Denver

Paul Messinger
DAVIS OIL COMPANY
(Operator)

Before me, the undersigned authority, on this day personally appeared Paul Messinger Exploration Manager, known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states that he is authorized to make this report and has knowledge of the facts stated herein and that said report is true and correct.

Subscribed and sworn to before me this the 8th day of May 19 61

Mollie T. Kadel
Notary Public

My Commission expires: August 12, 1962

139

RECEIVED
MAY 11 1981
STATE O & G
AG. COMM.

STATE OF ARIZONA
OIL AND GAS CONSERVATION COMMISSION

FORM O&G 55

Form Prescribed Under Oil and Gas Conservation Act 1951

APPLICATION TO ABANDON, PLUG, DEEPEN, SIDETRACT OR PERFORATE

(After Well Has Once Been Completed)

INSTRUCTIONS: - - File in duplicate with Commissioner. One copy will be returned with approval or denial.

FIELD: Wildcat
OPERATOR: Davis Oil Company ADDRESS 1020 Midland Savings Bldg.-Denver 2, Colo.
LEASE: Navajo #14-20-603-225 WELL NO. Navajo C-1 COUNTY Apache
SURVEY: SE SE S SECTION 29 DRILLING PERMIT NO.: 139
LOCATION: 660' f/South line and 660' f/East line of Section 29

TYPE OF WELL: Dry Hole TOTAL DEPTH 6749'
(Oil, Gas or Dry Hole)

ALLOWABLE (If Assigned)
LAST PRODUCTION TEST: OIL (Bbls.) Water Bbls.)
GAS (M.C.F.) DATE OF TEST

PRODUCING HORIZON PRODUCING FROM: TO

1. COMPLETE CASING RECORD:

2. FULL DETAILS OF PROPOSED PLAN OF WORK:

6250 - 6050	200'	60 sxs	Cover Elbert
5000 - 4850	150'	45 sxs	Cover Ismay-Paradox
3500 - 3400	100'	30 sxs	Cover Rico
2500 - 2400	100'	30 sxs	Cover DeChelly
950 - 800	150'	45 sxs	Cover Chinle
350 - 200	150'	45 sxs	Cover base of surface pipe
28 - 0-	28'	10 sxs	Cover top of surface pipe

If the well is to be deepened to another zone other than that covered by permit, this form shall be accompanied by a certified lease plat as is prescribed on Form No. O&G 51.

If the well is to be abandoned, does proposed work conform with requirements of Rule 26? _____. If not, outline procedure proposed above.

DATE COMMENCING OPERATIONS:
NAME OF PARTY DOING WORK: ADDRESS
CORRESPONDENCE SHOULD BE SENT TO: DAVIS OIL COMPANY
NAME: Paul Messinger
Paul Messinger
TITLE: Exploration Manager

APPROVED: 12th DAY OF May 19 61.

DENIED: DAY OF 19.

OIL AND GAS COMMISSION

BY Anthony J. Dedden

139

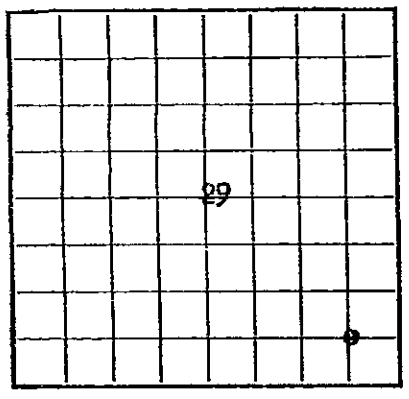
RECEIVED
MAY 11 1971
STATE DOCS
CENS-COMM

Form 9-330

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

16

U. S. LAND OFFICE _____
SERIAL NUMBER 14-20-603-225
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Davis Oil Company Address 1020 Midland Savings Bldg., Denver
Lessor or Tract Navajo C-1 Field Wildcat State Arizona
Well No. C-1 Sec. 29 T. 41N R. 29E Meridian _____ County Apache
Location 660 ft. {N. / S.} of S. Line and 660 ft. {E. / W.} of E. Line of Sec. 29 Elevation 5444'
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed Paul R. Buehler *Paul R. Buehler*
Date March 2, 1961 Title Consulting Geologist

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

Commenced drilling Jan. 17, 19 61 Finished drilling Feb. 28, 19 61.

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 none to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
8 5/8"	24#	8		210'					Csg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	210' K.B.	200 sxs			

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 6749' feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____

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

~~The Tiger Drilling Co.~~, Driller _____, Driller
~~1610 First National Bank Bldg.~~ Driller _____, Driller

FOLD | MARK

so far as can be determined from all available records.

Signed Paul R. Buchler (Paul R. Buchler)

Date March 2, 1961 Title Consulting Geologist

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

Commenced drilling Jan. 17, 19 61 Finished drilling Feb. 28, 19 61.

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from ~~non e~~ to

No. 2, from to

No. 3, from to

No. 4, from to

No. 5, from to

No. 6, from to

IMPORTANT WATER SANDS

No. 1, from none to

No. 2, from to

No. 3, from to

No. 4, from to

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of drilling, fishing, shooting, acidizing, or any other work done on the well and the results. If there were any changes made in the casing, state fully. Give size of hole drilled, depth cleaned out, depth reached, size of casing, and if any casing was pulled, or left in the well, state how much was left. Give a brief description of the work done to plug or abandon the well, giving kind of material used, position and results of bailing, shooting, or pulling.

Sgd. Csg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	210' K.B.	200 sxs			

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 6749' feet, and from feet to feet

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

DATES

, 19 Put to producing , 19

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

~~The Tiger Drilling Co.~~, Driller , Driller

~~1810 First National Bank Bldg.~~ Driller , Driller

Denver, Colorado.

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	316	316	San Rafael Group
316	880	564	Glen Canyon Group
880	2110	1230	Chinle
2110	2195	85	Shinarump
2195	2470	275	Moenkopi
2470	2774	304	DeChelly
2774	3462	688	Organ Rock
3462	4268	806	Rico
4268	4926	658	Hermosa
4926	5010	84	Ismay A1
5010	5072	62	Ismay A2
5072	5078	6	Paradox Shale
5078	5166	88	Desert Creek Zone
5166	5368	202	Akah Zone
5368	5550	182	Barker Creek Zone
5550	5780	230	Pinkerton Trail
5780	5898	118	Molas Shale
5898	6110	212	Mississippian Leadville
6110	6188	78	Mississippian Madison
6188	6262	74	Devonian Ouray
6262	6430	168	Devonian Elbert
6430	6590	160	Devonian McCracken
6590	6724	134	Devonian Aneth
6724	6749	25	Cambrian Tapeats

FROM— TO— TOTAL FEET FORMATION

FORMATION RECORD—Continued

(OVER)

16—48091-4

FOLD | MARK

139

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
[illegible]	[illegible]	[illegible]	[illegible]

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
[illegible]	[illegible]	[illegible]	[illegible]

TOOLS USED

Rotary tools were used from 0 feet to 5231 feet, and from feet to feet

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

DATES

Put to Production 19

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, Driller

Driller, Driller

SHOOTING RECORD

Date	Depth shot	Depth cleaned out

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

TOOLS USED

Rotary tools were used from 0 feet to 5231 feet, and from feet to feet

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

DATES

Put to Production 19

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, Driller

Driller, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
[illegible]	[illegible]	[illegible]	[illegible]

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
[illegible]	[illegible]	[illegible]	[illegible]

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
Halliburton—quick release		Halliburton—[illegible]				

PLUGS AND ADAPTERS

Heaving plug—Material Depth set

Adapters—Material Size

WADDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Cold water used	Time to drill plug	Depth cleaned out

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Size casing	Where set	Number sacks of cement	Method used	Mud fluid used	Cold water used	Time to drill plug	Depth cleaned out	Perforated FROM—	Perforated TO—	Kind of shot

The Davis Oil Co. Navajo C-1 was spudded on Dec. 7, 1961. Drilled rat hole and mouse hole. Drilled 7 7/8" hole to 90' then reamed to 12 ¼" hole from 0 to 41'. Then drilled 7 7/8" hole from 90' to 104'. On Jan. 18 drilled 7 7/8" hole from 104' to 1035'. On Jan. 19 drilled 7 7/8" hole 1035 to 1200'. Reamed 7 7/8" hole to 12 ¼" from 41' to 210'. Ran 7 joints of 8 5/8" surface pipe set at 210' K.B. with 200 sacks cement. Plug down at 3:00 P.M. W.O.C. from 3:00 P.M. Jan 19 until 7:30 A.M. Jan. 20. From Jan. 20 until Feb. 2 drilling was continuous from 1200' to 5054'. On Feb. 2 core #1 was cut from 5054 to 5065'. The Navajo C-1 was then drilled to 5231 where DST #1 was run from 5216 to 5231. Gas surfaced in 25 minutes at an estimated rate of 100 MCF/day. The fluid was reversed out and recovery was 105' of oil cut mud and 1000' of salt water.

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

The Davis Oil Co. Navajo C-1 was spudded on Dec. 7, 1961. Drilled rat hole and mouse hole. Drilled 7 7/8" hole to 90' then reamed to 12 ¼" hole from 0 to 41'. Then drilled 7 7/8" hole from 90' to 404'. On Jan. 18 drilled 7 7/8" hole from 404' to 1035'. On Jan. 19 drilled 7 7/8" hole 1035 to 1200' and reamed 7 7/8" hole to 12 ¼" from 41' to 210'. Ran 7 joints of 8 5/8" surface pipe set at 210' K.B. with 200 sacks cement. Plug down at 3:00 P.M. W.O.C. from 3:00 P.M. Jan. 19 until 7:30 A.M. Jan. 20. From Jan. 20 until Feb. 2 drilling was continuous from 1200' to 5054'. On Feb. 2 core #1 was cut from 5054 to 5065'. The Navajo C-1 was then drilled to 5231 where DST #1 was run from 5216 to 5231. Gas surfaced in 25 minutes at an estimated rate of 100 MCF/day. The fluid was reversed out and recovery was 100' of oil cut mud, and 1000' of salt water. The tool was open 2 hours and shut in 30 minutes. Pressures were: Initial Flow 230#, Final Flow 755#, Shut In 2005#. Drilling was then commenced from 5231 and from Feb. 2 to Feb. 17 drilling was continuous from 5231 to 6168'. At 6100' Schlumberger Run #1 was taken. A Gamma ray-sonic, Microlog, and Induction electric were run. Drilling was again commenced from 6168' and was continuous from Feb. 17 to Feb 27 from 6168 to 6749'. On Feb 28 Schlumberger Run #2 was run. The same type logs were run as on Run #1. Total depth was 6749 however Schlumberger did not attempt to log below 6740' due to sticky hole. The Navajo C-1 was plugged and abandoned on Feb. 28, 1962.

The information given herein is a complete and correct record to the well and all work done thereon so far as can be determined from available records.

Company Davis Oil Company Address Farmington, New Mexico

Lease or Tract Navajo C-1 Field Wildcat State New Mexico

Well No. C-1 Sec. 25 T. 24 N. R. 15 W. County San Juan

Location 990' N. of the N. Line and 990' W. of the W. Line of Sec. 25 Elevation 5511'

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

LEASE OR PERMIT TO PROSPECT

SERIAL NUMBER

U. S. LAND OFFICE

FORM 9-330

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

139

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

March 1, 1961

Davis Oil Co.
1020 Midland Savings Bldg.
Denver, Colorado

Gentlemen:

Enclosed herewith are a descriptive sample log, core description, drill stem test data, cronological log, bit record, mud record, slope test record and plugging procedure from your Navajo C-1, Apache County, Arizona. The formations penetrated and other data are as follows:

DAVIS OIL CO., & THE TIGER DRLG. CO., NAVAJO C-1
SE SE Sec. 29; T41N; R29E.
Apache County, Arizona

Elev : 5435' grd; 5445' K.B.
Comm : Jan 17, 1961
Comp : Feb 28, 1961
Contr: The Tiger Drlg. Co.
Csg : 240' of 8 5/8"
Mud : Oil Emulsion-Driscose
Hole Size: 7 7/8"

Top	San Rafael Group	On surface	
"	Glen Canyon Group	316'	Schlum
"	Chinle	830'	"
"	Shinarump	2110'	"
"	Moenkopi	2195'	"
"	DeChelly	2470'	"
"	Organ Rock	2774'	"
"	Rico	3462'	"
"	Hermosa	4268'	"
"	Ismay A_1 zone	4926'	"
"	Ismay A_2 zone	5010'	"
"	Paradox shale	5072'	"
"	Desert Creek zone	5078'	"
"	Akah zone	5166'	"
"	Barker Creek zone	5368'	"
"	Pinkerton Trail	5550'	"
"	Molas	5780'	"
"	Mississippian (Leadville)	5898'	"
"	Mississippian Dolomite	6110'	"
"	Ouray Ls	6188'	"
"	Elbert Dolo	6262'	"
"	M cCracken Sd	6430'	"
"	Aneth Dolo	6590'	"
"	Cambrian Tapeats (?)	6724'	"
T.D.		6740'	"

The C-1 Navajo was drilled to a depth of 6749 feet without finding commercial showings of oil or gas, therefore it was abandoned at a depth 159 feet below the top of the Aneth formation in sandstone which is believed to be Cambrian Tapeats formation.

In the Ismay A_2 zone, a 2 foot drilling break was encountered at 5052' to 5054' Drlr; 5049' to 5051' Schlum. The samples contained porosity and oil show therefore the core barrel was run. Recovery was 1 foot of limestone with porosity and oil show and 9 feet of limestone without porosity or show. This zone was not tested.

A drilling break was encountered at 5221' to 5231' Drlr; 5218' to 5228' Schlum. This zone contained porosity and oil stain therefore a drill stem test was run from 5216' to 5231' Drlr; 5213' to 5228' Schlum. Recovery was 180' of oil cut mud and 1000' of salt water. Gas surfaced in 25 min at an estimated rate of 100,000 cu. ft. per day.

Several thin zones of porosity were encountered in the Pennsylvanian below 5231', however they were without shows and therefore not tested.

The top of the Mississippian porosity was encountered at 6110' and extended through the Mississippian but existed as thin zones of broken porosity without shows.

The McCracken sand contained a zone of porosity from 6520' to 6539' which contained a few sand fragments with dead oil, asphaltic residue. This zone calculated to be water wet by Schlumberger and therefore was not tested.

The Aneth formation had some traces of poor inter-crystalline porosity without shows.

At 6724' a medium to coarse grained quartzitic sandstone was encountered which was so hard to penetrate that the drilling rate fell to about 1½ feet per hour and bit life to about 7 hours. It is thought that this sandstone is Cambrian Tapeats. After penetrating 25 feet of this sand the drilling was ceased at the C-1 Navajo.

Schlumberger did not log below 6740' due to cavings in the hole. They were able to spud nearly to bottom on the first log but found the pickup to be very sticky, therefore did not attempt to reach below 6740' on subsequent trys.

Since no commercial shows were encountered, the C-1 Navajo was abandoned on Feb. 28, 1961.

Very truly yours,

Paul R. Buehler

Paul R. Buehler,
Geologist

PRB/j

139

Davis Oil Co. & The Tiger Drlg. Co. C-1 Navajo, Apache County, Arizona

SAMPLE DESCRIPTIONS

Samples examined and logged by Paul R. Buehler, geologist on location. Samples begin at 4000'.

4000-4050 Sltst, pnk, gypsiferous.
-4100 Sh, pnk, slty; Tr ls, wh-gry, f. xln.
-4150 Sh, pnk, slty; Tr ls as above.
-4200 Sltst, pnk-tan.
-4225 Sh, pnk, soft (samples poor).
-4245 Sltst, pnk-tan.
-4260 Sltst, pnk-tan, Tr ls, f. xln, wh.

TOP HERMOSA 4268' Schlum

-4275 Ls, wh, f. xln, sli arenaceous.
-4280 Ss, wh-gry, m. xln, w/ltl pnk chert.
-4295 Ls, tan-gry, m. xln w/ltl pnk chert.
-4320 Ls, wh, f. xln.
-4330 Sh, red-pnk, slty; Ltl ls as above.
-4335 Ls, wh, f. xln, v. arenaceous & sh as above.
-4350 Ls, wh, f. xln, arenaceous.
-4360 (Smple missing).
-4375 Sh & Ls (Smple dirty).
-4400 Ls, wh, f. xln w/consid pnk-orange chert.
-4425 Ls, wh, f. xln & Sh, pnk & sh, gry (fossils).
-4440 Sh, pnk.
-4445 Sh, pnk, 90%; Ls, wh, f. xln, v. arenaceous, 10%.
-4460 Ls, wh-gry, f. xln.
-4475 Sh, pnk, Ltl ls as above.
-4500 Sh, pnk; Ltl ls as above.
-4505 Ls, wh-gry, f. xln, Consid orange chert.
-4520 Ls, wh-gry, f. xln, chert, orange, 25%.
-4540 Sh, pnk; Ltl ls as above.
-4560 Ls, wh-gry, f. xln w/consid wh-pnk chert.
-4570 Sh, pnk-gry.
-4575 Ls, wh-gry, f. xln, w/ltl pnk chert.
-4590 Ls, wh-tan, f. xln w/consid orange chert.
-4610 Sh, gry & pnk & Ls, as above.
-4625 Ls, gry, f. xln, v. argil & sh, gry.
-4635 Ls, gry, f. xln, argil & sh, gry.
-4650 Ls, wh, f. xln w/consid chert.
-4675 Ls, wh, f. xln, w/consid chert.
-4685 Ls, wh-gry, f. xln.
-4700 Ls, wh, f. xln.
-4710 Ls, gry, f. xln, v. argil & Ltl sh, gry.
-4730 Sh, gry, fiss.
-4735 Sh, gry, fiss; Ltl ls, wh-gry, f. xln.
-4750 Ls, gry-tan, f. xln, dns. w/ltl gry chert.
-4765 Ls, gry, f. xln, dns & sh, gry, fiss.
-4775 Ls, wh, f. xln & Ltl sh, gry.
-4795 Sh, gry, fiss; Ltl ls, gry-tan, f. xln (Poor samples @ 4790')
-4815 Ls, wh, f. xln w/ltl chert, pnk.
-4840 Sh, gry-drk gry, fiss.
-4850 Sh, gry & Ls, wh-crm, f. xln, v. arenaceous.
-4855 Ls, wh-gry, f. xln w/ltl pnk chert, 75%; Sh, gry, 25%.
-4865 Sh, gry, fiss.

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4865-4875 Ls, wh-crm, f. xln w/consid tan chert.
-4880 Ls, wh-crm. f. xln.
-4885 Ls as above, 50%; Sh, gry, 50%.
-4895 Ls, wh-crm, f. xln-m. xln, w/trace por. No show.
-4905 Ls, wh-crm. f. xln.
-4915 Ls, wh-crm, f. xln, 75%; Sh, gry, 25%.
-4925 Sh, gry, 75%; Ls, as above, 25%.

TOP ISMAY A_1 4926' Schlum

-4935 Sh, gry, fiss, 85%; Ls, wh-gry, f. xln, 15%.
-4945 Ls, wh-crm-tan, f. xln, v. sli sucrosic, 50%; Sh, gry, fiss, 50%.
-4950 Ls, wh-crm, m. xln, sli anhydritic, 75%; Sh, gry, fiss, 25%.
-4955 Ls, crm-tan, m. xln, 50%; Sh, gry, 50%.
-4985 Ls, crm-tan, m. xln, granular, w/ltl crm chert.
-4990 Ls, crm-gry, m. xln, argil, 80%; Sh, gry, 20%.
-5005 Sh, gry-drk gry, calc.
-5010 Ls, gry-drk gry, v. argil.

TOP ISMAY A_2 5010' Schlum

-5015 Ls, crm-tan, f. xln-m. xln; Ltl chert, drk brn-blk.
-5025 Ls, crm-tan, f-m. xln; Tr chert.
-5040 Ls, crm-tan, f-m. xln, granular; Trace fluor 5030-35 & 40. No por.
-5050 Ls, crm-tan, m. xln, granular. Trace fluor.
-5054 (Circ 15 min) Ls, crm-tan, f. xln.
-5054 Circ 30 min) Same.
-5054 Circ 45 min) Ls, tan, f. xln-m. xln w/pin point to small vug por. Good oil odor in sample, fair smpl fluor. Weak stain.
-5054 (Circ 1 hr) Same.

CORE #1 5054-5065' Drlr; 5051-5062' Schlum

-5070 (Poor smpl after trip).

TOP DESERT CREEK 5078' Schlum

-5085 Ls, wh, f. xln, chalky.
-5095 Ls, wh, f. xln, m. xln, w/trace porosity.
-5110 Ls, wh-crm, f. xln, sli argil. Tr dolo, f. xln, tan, sucrosic.
-5150 Ls, wh-crm, m. xln, foss.
-5155 Ls, wh, m. xln, foss.
-5155 (Circ 20 min) Same.
-5155 (Circ 40 min) Ls as above & Ls, brn-tan, f. xln. No por. No show.
-5155 (Circ 60 min) Ls, wh, m. xln & Ls, brn-tan, f. xln, dns. No por. Trace fluor.
-5160 Ls, wh-buff, m. xln & Ls, bfn, f. xln, dns.
-5165 Sh, gry & Ls as above.

TOP AKAH 5166' Schlum

-5180 Same; Tr ls, tan-brn, m. xln w/por @ 5180' & oil stain.
-5185 Sh, gry; Ltl ls, wh-crm, f. xln, dns & Tr ls, tan, m. xln w/small vug por. Tr oil stain.
-5220 Ls, wh, f. xln-m. xln.
-5230 Ls, wh-tan, m. xln, v. foss.
-5231 (Circ 1 hr) Ls, crm-tan, m. xln w/small vug por. Yell fluor, brn oil stain. Fair smpl odor.

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DST #1 5216-5231' Drlr; 5213-5228' Schlum

5231-5240 Ls, crm-tan, f. xln-m. xln w/small vug por as above.
-5260 Ls, wh, f. xln, w/consid white chert.
-5275 Ls, tan-brn, m. xln, v. oolitic.
-5280 Ls as above & Ls, wh, tan, m. xln.
-5285 Ls, m. xln, gry.
-5295 Ls, m. xln, sli oolitic, gry w/consid blk-tan chert.
-5300 Ls, f. xln-m. xln, tan-gry, sli oolitic w/consid chert.
-5310 Ls, crm-tan, f. xln, dns.
-5320 Ls, f. xln, tan-gry, sli argil.
-5355 Ls, wh-crm, f. xln, chalky.

TOP BARKER CREEK 5368' Schlum

-5370 Ls, wh-crm, f. xln, chalky. Occasional trace of por & trace of tan oil stain.
-5375 Sh, gry & Ls, tan-brn, f. xln, dns.
-5385 Ls, wh-crm, m. xln, foss. w/consid tan chert.
-5390 Sh, gry, 50%; Ls as above, 50%.
-5415 Ls, wh-f. xln, chalky; Ltl wh, chert.
-5440 Ls, crm-tan, m. xln, sli oolitic.
-5450 Ls, wh, f. xln, chalky to dns; Ltl pin point por. No show.
-5490 Ls, wh, f. xln, chalky to dns w/consid chert, ltl rd & grn shale.
-5500 Chert, white, opaque; Ltl red & grn sh.
-5510 Ls, wh-crm, f. xln. dns, sli sucrosic w/ltl chert.
-5515 Ls, crm-tan, f.-m. xln, dolomitic, v. oolitic; Ltl red & grn shale.
-5520 Dolo, tan-bf, m. crz. xln, sucrosic.
-5525 Ls, crm-wh, f. xln-m. xln, dolomitic w/consid chert.
-5530 Dolo, crm-tan, m. xln, sli sucrosic w/traces pin point inter xln, por. Ltl sh, rd & maroon.
-5535 Sh, rd & maroon, 20%; Dolo & Ls as above, 80%.
-5550 Sh, gry & gry-grn; Ltl ls, gry, f. xln, dns. Consid tan chert.

TOP PINKERTON TRAIL 5550' Schlum

-5560 Ls, gry, dns, v. argil & sh, gry & rd.
-5565 Sh, gry & gry, grn; Ltl ls wh-crm, f. xln.
-5575 Ls, wh-crm, m. xln, v. oolitic w/leached oolitic porosity.
-5650 Ls, wh, f. xln, w/consid chert.
-5700 Ls, crm, wh, m. xln, ltl sh, grn & rd, Consid chert, some dolo, wh-crm, m. xln-crs xln, w/traces of inter-xln por.
-5720 Ls, crm-wh, f. xln.
-5735 Ls as above w/chaetetes coral.
-5745 Ls, crm-wh, f. xln.
-5750 Sh, rd & sh, grn, consid chert; Ltl ls as above.
-5755 Ls, crm-tan, f. xln; Lt sh, gry-grn.
-5765 Sh, gry, 20%; Ls as above, 80%; Ltl black chert.
-5775 Ls, crm-tan, f. xln, chalky, oolitic; Ltl sh.
-5785 Ls, wh, f. xln, chalky; Trace chaetetes.

TOP MOLAS 5780' Schlum

-5805 Sh, gry-grn, sh, red; Ltl sltst, gry, grn, dns; Ltl ls, wh-crm, f. xln.
-5810 Ls, wh, f. xln, chalky, v. cherty w/consid orange chert imbedded.
-5830 Sh, gry-gry grn, sh, rd & sh, maroon. Ltl ls as above.
-5895 Sh, gry, gry-grn, fiss; Ltl ls, wh, f. xln, dns, ltl sh, maroon to purple; Trace crinoid.

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TOP MAUVILLE 5898' Schlum.

5895-5990 Sh as above.
-5920 Sh as above; Ltl increase in Ls.
-5925 Ls, wh, f. xln, v. chalky, 65%; Sh as above, 35%.
-5950 Ls, wh, f. xln, v. chalky; Tr anhy.
-5955 Sh, gry-grn & gry; Ltl ls as above.
-5960 Ls, f. xln to micro xln, tan, dns w/occasional calcite xstal. Trace por. No show.
-5965 Ls, f. xln to micro xln, tan, dns.
-5980 Ls, wh, f. xln, sli sucrosic to chalky.
-6015 Ls, wh-crm, m. xln-crs. xln, some sli chalky.
-6030 Sh, gry-rd-gry, fiss & sh, maroon & tan.
-6075 Ls, wh-crm, f. xln, ltl dolo, wh-crm, granular.
-6080 Sh, gry-gry-grn & ls, wh-crm. f. xln.
-6085 Ls, wh, f. xln, chalky.
-6105 Ls as above; Tr dolo, wh-crm, m. xln, granular.

TOP MADISON 6110' Schlum

-6110 Ls, f. xln-m. xln, crm-tan.
-6120 Ls as above; Consid chert wh, opaque.
-6135 Dolo, m. xln, tan, granular. Trace inter xln pin-point por. No fluor. (Trace spotty fluor on wet smpl).
-6145 Dolo, m. xln, tan-buff, granular, w/fair inter xln. por. No show.
-6150 Dolo, m. xln-f. xln, tan-bf. No por.
-6155 Dolo, m. xln, bf to tan, granular.
-6160 Dolo, m. xln-crs xln, bf to tan w/some inter xln por. No show. Ltl white dolo.
-6165 Dolo as above.
-6168 Dolo as above.
-6168 (Circ 1 hr) Dolo, tan-brn, m. xln w/ltl inter xln por. No show.

RAN SCHLUM RUN #1. Ran GR-Sonic, I.E.S. and Microlog. Apply 3' uphole correction 6168 = 6165 corrected.

TOP OURAY 6188' Schlum

6165-6190 Dolo, tan-buff, m. xln-crs xln w/fair inter xln por. No show.
-6205 Dolo as above, 50%; Ls, crm-tan, f. xln, 50%.
-6220 Ls, wh, f. xln, sdy & ls, wh, f. xln, chalky. Ltl sh, grn, fiss.
-6235 Ls, wh, f. xln, chalky to dns w/ltl sdy ls.
-6255 Ls, wh-crm, m. xln, dolomitic.

TOP ELBERT 6262' Schlum

-6275 Ls, wh-crm. f. xln.
-6285 Ls, gry, f. xln, dns, dolomitic; Ltl sh, grn, gry.
-6320 Dolo, tan-gry, f. xln, dns.
-6330 Dolo as above; Ltl ss, wh, crs. g, sr, dns, qtzic. No por. No show.
-6370 Ss, wh, m.g.-crs g, qtzose, sr, some dns, some sli friable. No por. No show & dolo, crm-tan, f. xln.
-6405 Dolo, crm, f. xln to tan, m. xln, granular traces of vug porosity. No show.
-6415 Dolo, wh-crm, f. xln, dns.
-6425 Dolo, wh-crm, f. xln, dns, w/ltl rd shale & grn shale.

TOP McCRACKEN 6430' Schlum

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6425-6435 Dolo, f. xln, crm, dns & ltl ss, m.g.-crs.g. qtzic.
-6450 Dolo & ss as above; Ltl sh, rd & grn.
-6455 Dolo, wh-crm, f. xln, dns & ltl ss, m.g.-crs.g. wh, qtzic.
-6465 Dolo, wh-crm, f. xln w/sd g. imb. (arenaceous) & ss, m.g.-crs.g. sr, dns. qtzic.
-6495 Ss, m.g.-crs.g., wh, sr, some f.g. friable & ltl dolo, wh-crm, f. xln.
-6500 Ss, m.g. wh, sr, friable, well sorted. Tr dead oil stain, spotty golden fluor. No cut. Fair por.
-6510 Ss, m.g. wh, sr, friable, well sorted, dead oil stain to live oil stain, spotty golden, fluor. No cut. Fair por.
-6515 Ss, m.g. sa-sr, wh-pnk, v. glauc. No show.
-6520 Same.
-6525 Ss, m.g. wh, sa-sr, v. glauc, friable. Fair por. Trace dead oil residue, trace fluor. No cut.
-6540 Ss as above, 75%; Sh, rd & maroon, 25%.
-6550 Sh, rd, maroon & ltl grn, 75%; Ltl dolo, pnk-rd, f. xln, dns; Ltl ss as above.
-6560 Sh, rd, maroon & brn w/ltl dolo, crm, f. xln, dns.
-6580 Sh, rd, maroon & brn w/ltl dolo, crm, f. xln, dns. ltl chert.

TOP ANETH 6590' Schlum

-6595 Sh as above.
-6600 Dolo, crm-wh, f. xln, dns, ltl brn-drk brn dolo.
-6630 Dolo, wh-crm, f. xln, dns.
-6650 Dolo, drk brn-blk, f. xln-m. xln.
-6670 Dolo, crm-tan, f. xln, dns.
-6700 Dolo, drk brn-blk, m. xln.
-6725 Same.

TOP CAMBRIAN TAPEATS 6724' Schlum

-6730 Ss, m.g.-crs. g, crm-gry, v. dolomitic, sr. No por. No show.
-6749 Same.

T.D. 6749' Drlr.

Paul R. Buehler
Paul R. Buehler,
Geologist

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Davis Oil Co. & The Tiger Drlg. Co. 3-1 Navajo, Apache County, Arizona

CORE RECORD

Core No. 1. 5054-5065' Drlr; 5051-5065' Schlum

5054-55	(1') Ls, f. xln, gry, w/small vug to pin point por. Bleeding oil & salt water. (Vert fract.). Med good por.
-56	(1') Ls, f. xln, gry, dns, hard, (Vert fract) oil stain on fract. No por.
-64	(8') Ls, f. xln, gry, dns w/few thin shale streaks. No por. No show.
-65	(1') Lost.

DST RECORD

DST No. 1. 5216-5231' Drlr; 5213-5228' Schlum

Strong blow w/gas to surface in 25 min. Est 100,000 cu. ft. p/day.
Tool open 2 hours; Shut in 30 min.
Recovered - Reversed out estimated 180' oil cut mud; 1000' H_2O (Salty)

IF = 230#; FF = 755#; SI = 2005#; HY = 2685#

Davis Oil Co. & The Tiger Drlg. Co. #-1 Navajo, Apache County, Arizona

CRONOLOGICAL LOG

Jan. 15	Rigging up.
Jan. 16	Rigging up.
Jan. 17	Rigging up. Drld rat hole & mouse hole. Drld 7 7/8" hole 0 to 90'. Reamed to 12¼" from 0 to 41'. Drld 7 7/8" hole 90 to 404'.
Jan. 18	Drlg 7 7/8" hole 404 to 1035'. Lost cones on bit #1.
Jan. 19	Drlg 7 7/8" hole 1035 to 1200'. Ream 7 7/8" hole to 12¼" hole from 41 to 240'. Ran 7 joints 8 5/8" surf pipe (240 feet). Cemented w/200 sxs. Plug down 3:00 p.m. W.O.C.
Jan. 20	W.O.C. Began to drill 7:30 a.m. Drlg 1200 to 1640'.
Jan. 21	Drlg 1640 to 2181'.
Jan. 22	Drlg 2181 to 2662'.
Jan. 23	Drlg 2662 to 3120'.
Jan. 24	Drlg 3120 to 3340'.
Jan. 25	Drlg 3340 to 3631'.
Jan. 26	Drlg 3531 to 3900'.
Jan. 27	Drlg 3900 to 4156'.
Jan. 28	Drlg 4156 to 4350'.
Jan. 29	Drlg 4350 to 4533'.
Jan. 30	Drlg 4533 to 4645'.
Jan. 31	Drlg 4645 to 4789'.
Feb. 1	Drlg 4789 to 4935'.
Feb. 2	Drlg 4935 to 5054'. Pull out for Core #1.
Feb. 3	Core #1 5054 to 5065'. Drlg 5065 to 5113'.
Feb. 4	Drlg 5113 to 5231'. Pull pipe to run DST #1.
Feb. 5	Ran DST #1 5216 to 5231'. Drlg 5231 to 5252'.
Feb. 6	Drlg 5252 to 5331'.
Feb. 7	Drlg 5331 to 5417'.
Feb. 8	Drlg 5417 to 5496'.
Feb. 9	Drlg 5496 to 5539'.
Feb. 10	Drlg 5539 to 5618'.
Feb. 11	Drlg 5618 to 5700'.
Feb. 12	Drlg 5700 to 5770'.
Feb. 13	Drlg 5770 to 5842'.
Feb. 14	Drlg 5842 to 5933'.
Feb. 15	Drlg 5933 to 6027'.
Feb. 16	Drlg 6027 to 6130'.
Feb. 17	Drlg 6130 to 6168'. Ran Schlum Run #1. Ran GR-Sonic, I.E.S. & Micrologs. Logging from 9:30 a.m. until 3:30 p.m. W.O.O. 3:30 p.m. until 9:15 p.m. Apply 3' uphole correction. 6168 = 6165 corrected.
Feb. 18	Drlg 6165 to 6259'.
Feb. 19	Drlg 6259 to 6331'.
Feb. 20	Drlg 6331 to 6369'.
Feb. 21	Drlg 6369 to 6417'.
Feb. 22	Drlg 6417 to 6466'.
Feb. 23	Drlg 6466 to 6510'.
Feb. 24	Drlg 6510 to 6561'.
Feb. 25	Drlg 6561 to 6620'.
Feb. 26	Drlg 6620 to 6710'.
Feb. 27	Drlg 6710 to 6749'.
Feb. 28	Ran Schlum Run #2. Ran GR-Sonic, I.E.S. & Micrologs. Plugged and abandoned hole.

Davis Oil Co. & The Tiger Drlg. Co. C-1 Navajo, Apache County, Arizona

BIT RECORD

1.	Smith	7 7/8"	RT	0-618'	618'	17	hrs.
2.	Reed	"	YS1	618-1156'	538'	13 1/4	"
3.	Smith	"	DT2G	1156-1200'	44'	2	"
4.	Smith (RR#3)	"	"	1200-1502'	302'	8 3/4	"
5.	C.P.	"	ES2G	1502-1684'	182'	6 1/2	"
6.	HTC	"	OSC1G	1684-2003'	319'	10 1/2	"
7.	Reed	"	YT1	2003-2202'	199'	7 3/4	"
8.	Smith	"	K2P	2202-2650'	448'	15 1/2	"
9.	C.P.	"	ES2	2650-2826'	176'	5 3/4	"
10	Smith	"	K2P	2826-2975'	149'	9	"
11	Reed	"	YS1	2975-3208'	233'	16 3/4	"
12	HTC	"	OSC	3208-3403'	195'	10 1/4	"
13	Smith	"	K2P	3403-3542'	139'	10	"
14	Reed	"	YT	3542-3645'	103'	8	"
15	Smith	"	SV2	3645-3807'	164'	12 1/4	"
16	HTC	"	OSC	3807-3974'	167'	10 3/4	"
17	"	"	"	3974-4156'	182'	13 3/4	"
18	Reed	"	YT	4156-4259'	103'	9	"
19	Smith	"	SV2	4259-4380'	121'	12 3/4	"
20	Smith	"	SV2	4380-4496'	116'	11 3/4	"
21	HTC	"	OWV	4496-4558'	62'	8	"
22	Sec	"	M4	4558-4622'	64'	10	"
23	HTC	"	OWV	4622-4734'	112'	15	"
24	Sec	"	M4N	4734-4841'	107	12 3/4	"
25	Smith	"	SV2	4841-4948'	107'	16	"
26	Sec.	"	M4N	4948-5054'	106'	16	"
27	C.P.	"	EM1V	5065-5113'	48'	7 1/4	"
28	HTC	"	OW	5113-5171'	58'	8	"
29	Smith	"	O2	5171-5231'	60'	6 1/2	"
30	Reed	"	Y3-1	5231-5252'	21'	5 1/2	"
31	Smith	"	T2	5252-5299'	47'	10	"
32	Sec.	"	M4L	5299-5365'	66'	14 1/4	"
33	Smith	"	O2	5365-5432'	67'	16	"
34	Reed	"	YS	5432-5488'	56'	11	"
35	C.P.	"	EM1C	5488-5502'	14'	5 1/4	"
36	HTC	"	W7R2	5502-5524'	22'	5 1/4	"
37	Reed	"	YS	5524-5542'	18'	7	"
38	HTC	"	OWV	5542-5627'	85'	15 3/4	"
39	Smith	"	O2	5627-5658'	31'	7 1/2	"
40	Sec.	"	M4L	5658-5738'	80'	14 1/2	"
41	Smith	"	T2	5738-5781'	43'	14 1/4	"
42	HTC	"	OWC	5781-5842'	61'	13	"
43	Smith	"	T2	5842-5896'	54'	10	"
44	Smith	"	O2	5896-5949'	54'	14 1/2	"
45	Reed	"	YM	5949-6033'	84'	15 1/2	"
46	Reed	"	"	6033-6114'	81'	13 1/4	"
47	HTC	"	OWC	6114-6168'	54'	8 3/4	"
48	Reed	"	YM	6168-6255'	90'	17 1/2	"
49	Reed	"	"	6255-6308'	53'	13 1/4	"
50	Smith	"	T2	6308-6331'	23'	6 3/4	"
51	Reed	"	YHW	6331-6350'	19'	7 1/2	"
52	Reed	"	YVC	6350-6415'	65'	26	"
53	"	"	YHW	6415-6432'	17'	7	"
54	Smith	"	4W4	6432-6468'	36'	14	"

Davis Oil Co. & The Tiger Drlg. Co. C-1 Navajo, Apache County, Arizona

BIT RECORD CONTINUED

55	Reed	7 7/8"	YVO	6468-6518'	51'	25 1/4	hrs
56	Smith	"	4W4	6519-6561'	42'	14	"
57	Smith	"	"	6561-6611'	50'	12 1/4	"
58	Reed	"	YHW	6611-6664'	53'	13 1/4	"
59	HTC	"	W7R2	6664-6726'	62'	14 1/2	"
60	"	"	"	6726-6741'	15'	7	"
61	Reed	"	YVO	6741-6749'	8'	3 3/4	"

MUD RECORD

Date	Depth	Wt	Vis	Gel	Wtr loss	Cake	Sand	P.H.	Salt
Jan 23		9.4	47	1-28	4	1/32	2 %	11	400
Jan 25	3530'	9.7	51	2-36	4	"	1/4%	10.2	400
Jan 27	4010'	9.7	46	3-26	5	"	"	11.4	400
Jan 29	4490'	9.8	43	1-12	3	"	"	10.5	450
Jan 31	4725'	9.8	40	0-3	3	"	"	10.5	450
Feb 2	5020'	9.8	42	0-2	2	"	"	10.5	500
Feb 4	5171'	9.9	39	0-2	2.5	"	1/8%	11.1	450
Feb 6	5299'	9.9	47	1-3	2.0	"	1/4%	10.8	500
Feb 8	5480'	9.9	51	0-6	2.0	"	"	11.4	550
Feb 10	5589'	9.8	50	0-4	2.6	"	"	12.2	600
Feb 12	5745'	9.9	53	0-13	3.0	"	"	11.8	600
Feb 13	5808'	9.9	50	0-10	2.5	"	"	11.5	500
Feb 15	5982'	9.9	49	0-11	3.0	"	1/2%	12.2	500
Feb 17	6168'	10	72	5-36	2.0	"	1/4%	11	500
Feb 19	6308'	9.9	74	4-33	2.4	"	3/4%	11	800
Feb 21	6415'	9.9	60	0-12	216	"	1 %	11.5	550
Feb 25	6620'	9.9	55	0-18	3.0	"	1 1/2%	11.5	600
Feb 26	6675'	9.9	56	0-17	3.0	"	1 1/4%	11.5	500

SLOPE TESTS

Jan 18	499'	1 degree	Feb 12	5738'	2 3/4 degree
Jan 20	1500'	1/2 "	Feb 15	5949'	" "
Jan 21	2003'	1 "	Feb 17	6168'	2 1/2 "
Jan 22	2650'	1 1/2 "	Feb 18	6255'	2 1/2 "
Jan 24	3208'	1/2 "	Feb 19	6308'	2 1/4 "
Jan 28	4259'	3/4 "	Feb 19	6331'	2 1/2 "
Jan 30	4558'	1/2 "	Feb 23	6468'	2 "
Feb 2	4948'	1 "	Feb 27	6726'	2 "
Feb 9	5524'	2 1/2 "			

PLUGGING PROCEDURE

1.	6250 up to 6050'	200'	60 sxs
2.	5000 up to 4850'	150'	45 "
3.	3500 up to 3400'	100'	30 "
4.	2500 up to 2400'	100'	30 sxs
5.	950 up to 800'	150'	45 "
6.	350 up to 200'	150'	45 "
7.	Top surface pipe	28'	10 "

Form 9-331 b
(April 1952)

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

Indian Agency Window Rock

Allottee

Lease No. 14-20-603-225

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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	X		

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

Davis Oil Company
Navajo C-1

February 28, 1961

Well No. C-1 is located 660 ft. from {N/S} line and 660 ft. from {E/W} line of sec. 29

SE ¼ Sec. 29 (¼ Sec. and Sec. No.) T 41 N (Twp.) (Range) R 29 E (Meridian)

Wildcat (Field) Apache (County or Subdivision) Arizona (State or Territory)

The elevation of the derrick floor above sea level is 5444 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 Navajo C-1 shall be plugged as follows:

1.	6050' up to 6050'	200'	60 sxs	across top of Devonian
2.	5000' up to 4850'	150'	45 sxs	across top of Ismay
3.	3500' up to 3400'	100'	30 sxs	across top of Rico
4.	2500' up to 2400'	100'	30 sxs	across top of DeChelly
5.	950' up to 800'	150'	45 sxs	across top of Chinle
6.	350' up to 200'	150'	45 sxs	across top of Navajo & up into surf. pipe
7.	28' up to 0'	28'	10 sxs	in top of 8 5/8" surf. pipe.

The location is to be cleaned up and restored to good condition.
This procedure was approved by Mr. P.T. McGrath, U.S.G.S., Farmington, N.M.

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, Colorado

By Paul R. Buehler

Title Consulting Geologist

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

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Form 9-331 b
(April 1952)

	29		
			0

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Indian Agency Window Rock

Allottee

Lease No. 14-20-603-225

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)

December 27, 19 60

Well No. NAVAJO C-1 is located 660 ft. from {N/S} line and 660 ft. from {E/W} line of sec. 29

SE SE Sec. 29 (¼ Sec. and Sec. No.) 31N (Twp.) 29E (Range) G & S R M (Meridian)

Wildcat (Field) Apache (County or Subdivision) Arizona (State or Territory)

The elevation of the ungraded ground above sea level is 5435.0 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)

1. To set approximately 200' of 8-5/8" or larger surface pipe cemented to surface. Size & amount of casing will be determined by the existing hole conditions.
2. In the event of water flow, an intermediate 8-5/8" string will be run through the zone of trouble.
3. To test the top of the Pre-Cambrian formation at approximately 7000'.
4. An I.E.S.Log, Gamma-ray/sonic and Micro laterolog w/Micro Caliper will be run.

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.

1020 Denver 2, Colorado

By Paul Messinger
Paul Messinger

Title Exploration Manager

U. S. GOVERNMENT PRINTING OFFICE 16—64376-8

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OIL A GAS CONSERVATION COMM ION
STATE OF ARIZONA

Form OG 51

Form Prescribed Under Oil and Gas Conservation Act of 1951

NOTICE OF INTENTION TO DRILL NEW WELL

This notice and surety bond must be filed and permit must be granted before drilling begins

Oil and Gas Conservation Commission _____ Arizona 12- 1960

In compliance with Statewide Rule 3, notice is hereby given that it is our intention to commence the work of drilling well No. NAVAJO C-1 Sec. SE SE Sec. 29,

Twp. 41N, Rge. 29E B. & M., Wildcat Field

Apache County.

Legal description of lease Sec. 19, 20, 29 & 30 in Township 41 North, Range 29 East
(attach map or plat to scale)

Location of Well: 660' f/E line and 660' f/S line of Section 29
(Give exact footage from section corners or other legal subdivisions or streets)

Proposed drilling depth 7000 feet. Acres in drilling unit 80 acres

Has surety bond been filed? yes. Is location a regular or exception to spacing rule? regular.

Elevation of ground above sea level 5435.0 feet.

All depth measurements taken from top of _____
(Derrick, floor, Rotary Table or Kelly Bushing) which is 11 feet above the ground.
(Kelly Bushing)

PROPOSED CASING PROGRAM

Size of Casing Inches A. P. I.	Weight	Grade & Type	Top	Bottom	Cementing Depth
8-5/8"	24 lb	J 55-ST & C	-0-	200' + or -	200' + or -
5-1/2"	14 lb	J 55-ST & C	-0-	5300'	
5-1/2"	15.5 lb	J 55-ST & C	5300' -	6800'	6000' - 6800'
5-1/2"	17 lb	J 55-ST & C	6800' -	7000'	6800' - 7000'

Intended Zone or Zones of completion:
Name Pre-cambrian Test - pay zones unknown Perforated Interval

AFFIDAVIT:

I hereby certify under the penalty of perjury, that the information contained and statements herein made are to the best of my knowledge and belief, true, correct and complete.

DAVIS OIL COMPANY
(Applicant)
By Paul Messinger Exploration Manager
Paul Messinger

Application approved this 30th day of December 1960.

Permit No. 139
3-62 1/10/58

Charles Ketchum
Oil and Gas Conservation Commission
Acty - Chairm

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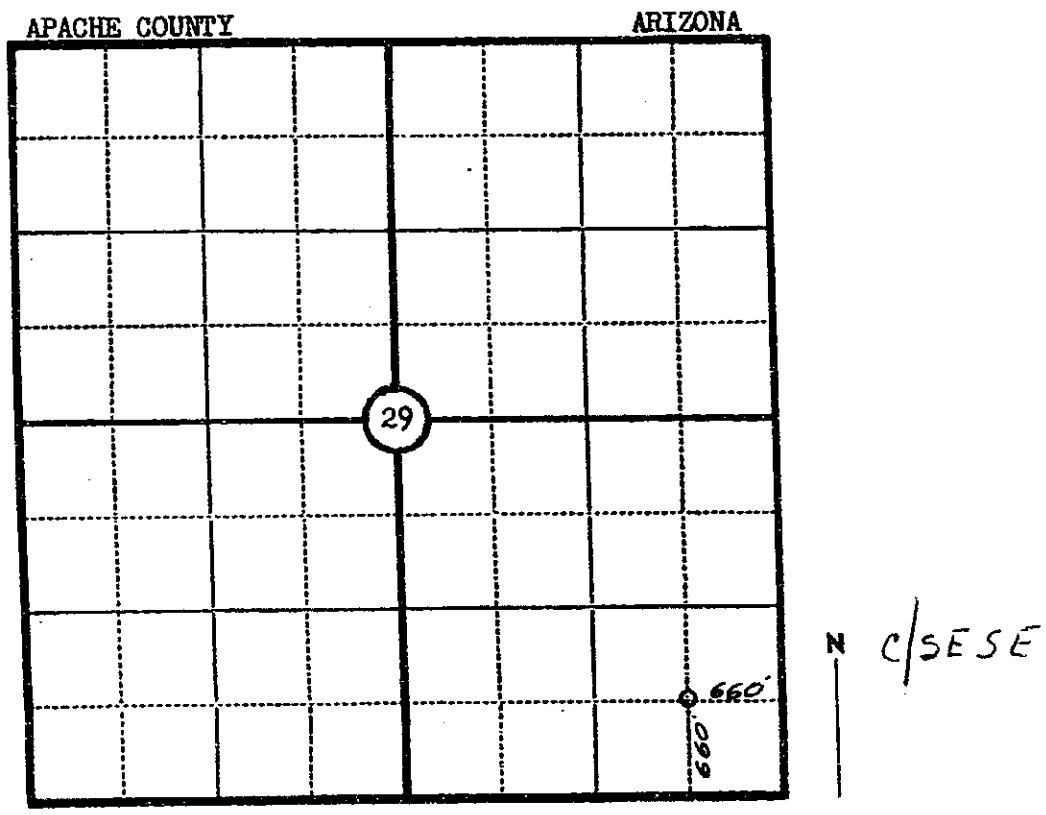
Company DAVIS OIL COMPANY

Lease ..... Well No. .....

Sec. 29, T. 41 N., R. 29 E, G. & S. R. M.

Location 660' FROM THE SOUTH LINE AND 660' FROM THE EAST LINE.

Elevation 5435.0 UNGRADED GROUND.



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.

Seal:

REGISTERED LAND SURVEYOR
CERTIFICATE EXPIRES
JAMES P. LEESE
DEC. 31, 1960
ARIZONA, U.S.A.

James P. Leese
Registered Land Surveyor.
James P. Leese
Arizona Reg. No. 1849

Surveyed 16 September, 19 60

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

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

March 1, 1961

Davis Oil Co.
1020 Midland Savings Bldg.
Denver, Colorado

Gentlemen:

Enclosed herewith are a descriptive sample log, core description, drill stem test data, cronological log, bit record, mud record, slope test record and plugging procedure from your Navajo C-1, Apache County, Arizona. The formations penetrated and other data are as follows:

DAVIS OIL CO., & THE TIGER DRLG. CO., NAVAJO C-1
SE SE Sec. 29; T41N; R29E.
Apache County, Arizona

Elev : 5435' grd; 5445' K.B.
Comm : Jan 17, 1961
Comp : Feb 28, 1961
Contr: The Tiger Drlg. Co.
Csg : 240' of 8 5/8"
Mud : Oil Emulsion-Driscose
Hole Size: 7 7/8"

Top	San Rafael Group	On surface	
"	Glen Canyon Group	316'	Schlum
"	Chinle	880'	"
"	Shinarump	2110'	"
"	Moenkopi	2195'	"
"	DeChelly	2470'	"
"	Organ Rock	2774'	"
"	Rico	3462'	"
"	Hermosa	4268'	"
"	Ismay A_1 zone	4926'	"
"	Ismay A_2 zone	5010'	"
"	Paradox shale	5072'	"
"	Desert Creek zone	5078'	"
"	Akah zone	5166'	"
"	Barker Creek zone	5368'	"
"	Pinkerton Trail	5550'	"
"	Molas	5780'	"
"	Mississippian (Leadville)	5898'	"
"	Mississippian Dolomite	6110'	"
"	Ouray Ls	6188'	"
"	Elbert Dolo	6262'	"
"	M cCracken Sd	6430'	"
"	Aneth Dolo	6590'	"
"	Cambrian Tapeats (?)	6724'	"
T.D.		6740'	"

The C-1 Navajo was drilled to a depth of 6749 feet without finding commercial showings of oil or gas, therefore it was abandoned at a depth 159 feet below the top of the Aneth formation in sandstone which is believed to be Cambrian Tapeats formation.

In the Ismay A_2 zone, a 2 foot drilling break was encountered at 5052' to 5054' Drlr; 5049' to 5051' Schlum. The samples contained porosity and oil show therefore the core barrel was run. Recovery was 1 foot of limestone with porosity and oil show and 9 feet of limestone without porosity or show. This zone was not tested.

A drilling break was encountered at 5221' to 5231' Drlr; 5218' to 5228' Schlum. This zone contained porosity and oil stain therefore a drill stem test was run from 5216' to 5231' Drlr; 5213' to 5228' Schlum. Recovery was 180' of oil cut mud and 1000' of salt water. Gas surfaced in 25 min at an estimated rate of 100,000 cu. ft. per day.

Several thin zones of porosity were encountered in the Pennsylvanian below 5231', however they were without shows and therefore not tested.

The top of the Mississippian porosity was encountered at 6110' and extended through the Mississippian but existed as thin zones of broken porosity without shows.

The McCracken sand contained a zone of porosity from 6520' to 6539' which contained a few sand fragments with dead oil, asphaltic residue. This zone calculated to be water wet by Schlumberger and therefore was not tested.

The Aneth formation had some traces of poor inter-crystalline porosity without shows.

At 6724' a medium to coarse grained quartzitic sandstone was encountered which was so hard to penetrate that the drilling rate fell to about 1½ feet per hour and bit life to about 7 hours. It is thought that this sandstone is Cambrian Tapeats. After penetrating 25 feet of this sand the drilling was ceased at the C-1 Navajo.

Schlumberger did not log below 6740' due to cavings in the hole. They were able to spud nearly to bottom on the first log but found the pickup to be very sticky, therefore did not attempt to reach below 6740' on subsequent trys.

Since no commercial shows were encountered, the C-1 Navajo was abandoned on Feb. 28, 1961.

Very truly yours,

Paul R. Buehler

Paul R. Buehler,
Geologist

PRB/j

Davis Oil Co. & The Tiger Drlg. Co. C-1 Navajo, Apache County, Arizona

SAMPLE DESCRIPTIONS

Samples examined and logged by Paul R. Buehler, geologist on location. Samplesbegin at 4000'.

4000-4050 Sltst, pnk, gypsiferous.
-4100 Sh, pnk, slty; Tr ls, wh-gry, f. xln.
-4150 Sh, pnk, slty; Tr ls as above.
-4200 Sltst, pnk-tan.
-4225 Sh, pnk, soft (samples poor).
-4245 Sltst, pnk-tan.
-4260 Sltst, pnk-tan, Tr ls, f. xln, wh.

TOP HERMOSA 4268' Schlum

-4275 Ls, wh, f. xln, sli arenaceous.
-4280 Ss, wh-gry, m. xln, w/ltl pnk chert.
-4295 Ls, tan-gry, m. xln w/ltl pnk chert.
-4320 Ls, wh, f. xln.
-4330 Sh, red-pnk, slty; Ltl ls as above.
-4335 Ls, wh, f. xln. v. arenaceous & sh as above.
-4350 Ls, wh, f. xln, arenaceous.
-4360 (Smple missing).
-4375 Sh & Ls (Smple dirty).
-4400 Ls, wh, f. xln w/consid pnk-orange chert.
-4425 Ls, wh, f. xln & Sh, pnk & sh, gry (fossils).
-4440 Sh, pnk.
-4445 Sh, pnk, 90%; Ls, wh, f. xln, v. arenaceous, 10%.
-4460 Ls, wh-gry, f. xln.
-4475 Sh, pnk, Ltl ls as above.
-4500 Sh, pnk; Ltl ls as above.
-4505 Ls, wh-gry, f. xln, Consid orange chert.
-4520 Ls, wh-gry, f. xln, chert, orange, 25%.
-4540 Sh, pnk; Ltl ls as above.
-4560 Ls, wh-gry, f. xln w/consid wh-pnk chert.
-4570 Sh, pnk-gry.
-4575 Ls, wh-gry, f. xln, w/ltl pnk chert.
-4590 Ls, wh-tan, f. xln w/consid orange chert.
-4610 Sh, gry & pnk & Ls, as above.
-4625 Ls, gry, f. xln, v. argil & sh, gry.
-4635 Ls, gry, f. xln, argil & sh, gry.
-4650 Ls, wh, f. xln w/consid chert.
-4675 Ls, wh, f. xln, w/consid chert.
-4685 Ls, wh-gry, f. xln.
-4700 Ls, wh, f. xln.
-4710 Ls, gry, f. xln, v. argil & Ltl sh, gry.
-4730 Sh, gry, fiss.
-4735 Sh, gry, fiss; Ltl ls, wh-gry, f. xln.
-4750 Ls, gry-tan, f. xln, dns. w/ltl gry chert.
-4765 Ls, gry, f. xln, dns & sh, gry, fiss.
-4775 Ls, wh, f. xln & Ltl sh, gry.
-4795 Sh, gry, fiss; Ltl ls, gry-tan, f. xln (Poor samples @ 4790')
-4815 Ls, wh, f. xln w/ltl chert, pnk.
-4840 Sh, gry-drk gry, fiss.
-4850 Sh, gry & Ls, wh-crm, f. xln. v. arenaceous.
-4855 Ls, wh-gry, f. xln w/ltl pnk chert, 75%; Sh, gry, 25%.
-4865 Sh, gry, fiss.

Davis Oil Co. & The Tiger Drlg. Co. C-1 Navajo, Apache County, Arizona

4865-4875 Ls, wh-crm, f. xln w/consid tan chert.
-4880 Ls, wh-crm. f. xln.
-4885 Ls as above, 50%; Sh, gry, 50%.
-4895 Ls, wh-crm, f. xln-m. xln, w/trace por. No show.
-4905 Ls, wh-crm. f. xln.
-4915 Ls, wh-crm, f. xln, 75%; Sh, gry, 25%.
-4925 Sh, gry, 75%; Ls, as above, 25%.

TOP ISMAY A_1 4926' Schlum

-4935 Sh, gry, fiss, 85%; Ls, wh-gry, f. xln, 15%.
-4945 Ls, wh-crm-tan, f. xln, v. sli sucrosic, 50%; Sh, gry, fiss, 50%.
-4950 Ls, wh-crm, m. xln, sli anhydritic, 75%; Sh, gry, fiss, 25%.
-4955 Ls, crm-tan, m. xln, 50%; Sh, gry, 50%.
-4985 Ls, crm-tan, m. xln, granular, w/ltl crm chert.
-4990 Ls, crm-gry, m. xln, argil, 80%; Sh, gry, 20%.
-5005 Sh, gry-drk gry, calc.
-5010 Ls, gry-drk gry, v. argil.

TOP ISMAY A_2 5010' Schlum

-5015 Ls, crm-tan, f. xln-m. xln; Ltl chert, drk brn-blk.
-5025 Ls, crm-tan, f-m. xln; Tr chert.
-5040 Ls, crm-tan, f-m. xln, granular; Trace fluor 5030-35 & 40. No por.
-5050 Ls, crm-tan, m. xln, granular. Trace fluor.
-5054 (Circ 15 min) Ls, crm-tan, f. xln.
-5054 Circ 30 min) Same.
-5054 Circ 45 min) Ls, tan, f. xln-m. xln w/pin point to small vug por. Good oil odor in sample, fair smpl fluor. Weak stain.
-5054 (Circ 1 hr) Same.

CORE #1 5054-5065' Drlr; 5051-5062' Schlum

-5070 (Poor smpl after trip).

TOP DESERT CREEK 5078' Schlum

-5085 Ls, wh, f. xln, chalky.
-5095 Ls, wh, f. xln, m. xln, w/trace porosity.
-5110 Ls, wh-crm, f. xln, sli argil. Tr dolo, f. xln, tan, sucrosic.
-5150 Ls, wh-crm, m. xln, foss.
-5155 Ls, wh, m. xln, foss.
-5155 (Circ 20 min) Same.
-5155 (Circ 40 min) Ls as above & Ls, brn-tan, f. xln. No por. No show.
-5155 (Circ 60 min) Ls, wh, m. xln & Ls, brn-tan, f. xln, dns. No por. Trace fluor.
-5160 Ls, wh-buff, m. xln & Ls, bfn, f. xln, dns.
-5165 Sh, gry & Ls as above.

TOP AKAH 5166' Schlum

-5180 Same; Tr ls, tan-brn, m. xln w/por @ 5180' & oil stain.
-5185 Sh, gry; Ltl ls, wh-crm, f. xln, dns & Tr ls, tan, m. xln w/small vug por. Tr oil stain.
-5220 Ls, wh, f. xln-m. xln.
-5230 Ls, wh-tan, m. xln, v. foss.
-5231 (Circ 1 hr) Ls, crm-tan, m. xln w/small vug por. Yell fluor, brn oil stain. Fair smpl odor.

Davis Oil Co. & The Tiger Drlg. Co. O-1 Navajo, Apache County, Arizona

DST #1 5216-5231' Drlr; 5213-5228' Schlum

5231-5240 Ls, crm-tan, f. xln-m. xln w/small vug por as above.
-5260 Ls, wh, f. xln, w/consid white chert.
-5275 Ls, tan-brn, m. xln, v. oolitic.
-5280 Ls as above & Ls, wh, tan, m. xln.
-5285 Ls, m. xln, gry.
-5295 Ls, m. xln, sli oolitic, gry w/consid blk-tan chert.
-5300 Ls, f. xln-m. xln, tan-gry, sli oolitic w/consid chert.
-5310 Ls, crm-tan, f. xln, dns.
-5320 Ls, f. xln, tan-gry, sli argil.
-5355 Ls, wh-crm, f. xln, chalky.

TOP BARKER CREEK 5368' Schlum

-5370 Ls, wh-crm, f. xln, chalky. Occasional trace of por & trace of tan oil stain.
-5375 Sh, gry & Ls, tan-brn, f. xln, dns.
-5385 Ls, wh-crm, m. xln, foss. w/consid tan chert.
-5390 Sh, gry, 50%; Ls as above, 50%.
-5415 Ls, wh-f. xln, chalky; Ltl wh, chert.
-5440 Ls, crm-tan, m. xln, sli oolitic.
-5450 Ls, wh, f. xln, chalky to dns; Ltl pin point por. No show.
-5490 Ls, wh, f. xln, chalky to dns w/consid chert, ltl rd & grn shale.
-5500 Chert, white, opaque; Ltl red & grn sh.
-5510 Ls, wh-crm, f. xln. dns, sli sucrosic w/ltl chert.
-5515 Ls, crm-tan, f.-m. xln, dolomitic, v. oolitic; Ltl red & grn shale.
-5520 Dolo, tan-bf, m. crz. xln, sucrosic.
-5525 Ls, crm-wh, f. xln-m. xln, dolomitic w/consid chert.
-5530 Dolo, crm-tan, m. xln, sli sucrosic w/traces pin point inter xln, por. Ltl sh, rd & maroon.
-5535 Sh, rd & maroon, 20%; Dolo & Ls as above, 80%.
-5550 Sh, gry & gry-grn; Ltl ls, gry, f. xln, dns. Consid tan chert.

TOP PINKERTON TRAIL 5550' Schlum

-5560 Ls, gry, dns, v. argil & sh, gry & rd.
-5565 Sh, gry & gry, grn; Ltl ls wh-crm, f. xln.
-5575 Ls, wh-crm, m. xln, v. oolitic w/leached oolitic porosity.
-5650 Ls, wh, f. xln, w/consid chert.
-5700 Ls, crm, wh, m. xln, ltl sh, grn & rd, Consid chert, some dolo, wh-crm, m. xln-crs xln, w/traces of inter-xln por.
-5720 Ls, crm-wh, f. xln.
-5735 Ls as above w/chaetetes coral.
-5745 Ls, crm-wh, f. xln.
-5750 Sh, rd & sh, grn, consid chert; Ltl ls as above.
-5755 Ls, crm-tan, f. xln; Lt sh, gry-grn.
-5765 Sh, gry, 20%; Ls as above, 80%; Ltl black chert.
-5775 Ls, crm-tan, f. xln, chalky, oolitic; Ltl sh.
-5785 Ls, wh, f. xln, chalky; Trace chaetetes.

TOP MOLAS 5780' Schlum

-5805 Sh, gry-grn, sh, red; Ltl sltst, gry, grn, dns; Ltl ls, wh-crm, f. xln.
-5810 Ls, wh, f. xln, chalky, v. cherty w/consid orange chert imbedded.
-5830 Sh, gry-gry grn, sh, rd & sh, maroon, Ltl ls as above.
-5895 Sh, gry, gry-grn, fiss; Ltl ls, wh, f. xln, dns, ltl sh, maroon to purple; Trace crinoid.

Davis Oil Co. & The Tiger Drlg. Co. C-1 Navajo, Apache County, Arizona

TOP MLADVILLE 5898' Schlum.

5895-5990 Sh as above.
-5920 Sh as above; Ltl increase in Ls.
-5925 Ls, wh, f. xln, v. chalky, 65%; Sh as above, 35%.
-5950 Ls, wh, f. xln, v. chalky; Tr anhy.
-5955 Sh, gry-grn & gry; Ltl ls as above.
-5960 Ls, f. xln to micro xln, tan, dns w/occasional calcite xstal. Trace por. No show.
-5965 Ls, f. xln to micro xln, tan, dns.
-5980 Ls, wh, f. xln, sli sucrosic to chalky.
-6015 Ls, wh-crm, m. xln-crs. xln, some sli chalky.
-6030 Sh, gry-rd-gry, fiss & sh, maroon & tan.
-6075 Ls, wh-crm, f. xln, ltl dolo, wh-crm, granular.
-6080 Sh, gry-gry-grn & ls, wh-crm. f. xln.
-6085 Ls, wh, f. xln, chalky.
-6105 Ls as above; Tr dolo, wh-crm, m. xln, granular.

TOP MADISON 6110' Schlum

-6110 Ls, f. xln-m. xln, crm-tan.
-6120 Ls as above; Consid chert wh, opaque.
-6135 Dolo, m. xln, tan, granular. Trace inter xln pin-point por. No fluor. (Trace spotty fluor on wet smpl).
-6145 Dolo, m. xln, tan-buff, granular, w/fair inter xln. por. No show.
-6150 Dolo, m. xln-f. xln, tan-bf. No por.
-6155 Dolo, m. xln, bf to tan, granular.
-6160 Dolo, m. xln-crs xln, bf to tan w/some inter xln por. No show. Ltl white dolo.
-6165 Dolo as above.
-6168 Dolo as above.
-6168 (Circ 1 hr) Dolo, tan-brn, m. xln w/ltl inter xln por. No show.

RAN SCHLUM RUN #1. Ran GR-Sonic, I.E.S. and Microlog. Apply 3' uphole correction 6168 = 6165 corrected.

TOP OURAY 6188' Schlum

6165-6190 Dolo, tan-buff, m. xln-crs xln w/fair inter xln por. No show.
-6205 Dolo as above, 50%; Ls, crm-tan, f. xln, 50%.
-6220 Ls, wh, f. xln, sdy & Ls, wh, f. xln, chalky. Ltl sh, grn, fiss.
-6235 Ls, wh, f. xln, chalky to dns w/ltl sdy ls.
-6255 Ls, wh-crm, m. xln, dolomitic.

TOP ELBERT 6262' Schlum

-6275 Ls, wh-crm. f. xln.
-6285 Ls, gry, f. xln, dns, dolomitic; ltl sh, grn, gry.
-6320 Dolo, tan-gry, f. xln, dns.
-6330 Dolo as above; Ltl ss, wh, crs. g, sr, dns, qtzic. No por. No show.
-6370 Ss, wh, m.g.-crs g, qtzose, sr, some dns, some sli friable. No por. No show & dolo, crm-tan, f. xln.
-6405 Dolo, crm, f. xln to tan, m. xln, granular traces of vug porosity. No show.
-6415 Dolo, wh-crm, f. xln, dns.
-6425 Dolo, wh-crm, f. xln, dns, w/ltl rd shale & grn shale.

TOP MCCRACKEN 6430' Schlum

Davis Oil Co. & The Tiger Drlg. Co. C-1 Navajo, Apache County, Arizona.

6425-6435 Dolo, f. xln, crm, dns & ltl ss, m.g.-crs.g. qtzic.
-6450 Dolo & ss as above; Ltl sh, rd & grn.
-6455 Dolo, wh-crm, f. xln, dns & ltl ss, m.g.-crs.g. wh, qtzic.
-6465 Dolo, wh-crm, f. xln w/sd g. imb. (arenaceous) & ss, m.g.-crs.g. sr, dns. qtzic.
-6495 Ss, m.g.-crs.g., wh, sr, some f.g. friable & Ltl dolo, wh-crm, f. xln.
-6500 Ss, m.g. wh, sr, friable, well sorted. Tr dead oil stain, spotty golden fluor. No cut. Fair por.
-6510 Ss, m.g. wh, sr, friable, well sorted, dead oil stain to live oil stain, spotty golden, fluor. No cut. Fair por.
-6515 Ss, m.g. sa-sr, wh-pnk, v. glauc. No show.
-6520 Same.
-6525 Ss, m.g. wh, sa-sr, v. glauc, friable. Fair por. Trace dead oil residue, trace fluor. No cut.
-6540 Ss as above, 75%; Sh, rd & maroon, 25%.
-6550 Sh, rd, maroon & ltl grn, 75%; Ltl dolo, pnk-rd, f. xln, dns; Ltl ss as above.
-6560 Sh, rd, maroon & brn w/ltl dolo, crm, f. xln, dns.
-6580 Sh, rd, maroon & brn w/ltl dolo, crm, f. xln, dns. ltl chert.

TOP ANETH 6590' Schlum

-6595 Sh as above.
-6600 Dolo, crm-wh, f. xln, dns, ltl brn-drk brn dolo.
-6630 Dolo, wh-crm, f. xln, dns.
-6650 Dolo, drk brn-blk, f. xln-m. xln.
-6670 Dolo, crm-tan, f. xln, dns.
-6700 Dolo, drk brn-blk, m. xln.
-6725 Same.

TOP CAMBRIAN TAPEATS 6724' Schlum

-6730 Ss, m.g.-crs. g, crm-gry, v. dolomitic, sr. No por. No show.
-6749 Same.

T.D. 6749' Drlr.

Paul R. Buehler
Paul R. Buehler,
Geologist

Davis Oil Co. & The Tiger Drlg. Co. Cal Navajo, Apache County, Arizona

CORE RECORD

Core No. 1. 5054-5065' Drlr; 5051-5065' Schlum

5054-55	(1') Ls, f. xln, gry, w/small vug to pin point por. Bleeding oil & salt water. (Vert fract.). Mod good por.
-56	(1') Ls, f. xln, gry, dns, hard, (Vert fract) oil stain on fract. No por.
-64	(8') Ls, f. xln, gry, dns w/few thin shale streaks. No por. No show.
-65	(1') Lost.

DST RECORD

DST No. 1. 5216-5231' Drlr; 5213-5228' Schlum

Strong blow w/gas to surface in 25 min. Est 100,000 cu. ft. p/day.
Tool open 2 hours; Shut in 30 min.
Recovered - Reversed out estimated 180' oil cut mud; 1000' H_2O (Salty)

IF = 230#; FF = 755#; SI = 2005#; HY = 2685#

Davis Oil Co. & The Tiger Drlg. Co. C-1 Navajo, Apache County, Arizona

CORE RECORD

Core No. 1.	5054-5065' Drlr; 5051-5065' Schlum
5054-55	(1') Ls, f. xln, gry, w/small vug to pin point por. Bleeding oil & salt water. (Vert fract.). Med good por.
-56	(1') Ls, f. xln, gry, dns, hard, (Vert fract) oil stain on fract. No por.
-64	(8') Ls, f. xln, gry, dns w/few thin shale streaks. No por. No show.
-65	(1') Lost.

DST RECORD

DST No. 1. 5216-5231' Drlr; 5213-5228' Schlum

Strong blow w/gas to surface in 25 min. Est 100,000 cu. ft. p/day.
Tool open 2 hours; Shut in 30 min.
Recovered - Reversed out estimated 180' oil cut mud; 1000' H_2O (Salty)

IF = 230#; FF = 755#; SI = 2005#; HY = 2685#

Davis Oil Co. & The Tiger Drlg. Co. #1 Navajo, Apache County, Arizona

CRONOLOGICAL LOG

Jan. 15	Rigging up.
Jan. 16	Rigging up.
Jan. 17	Rigging up. Drld rat hole & mouse hole. Drld 7 7/8" hole 0 to 90'. Reamed to 12¼" from 0 to 41'. Drld 7 7/8" hole 90 to 404'.
Jan. 18	Drlg 7 7/8" hole 404 to 1035'. Lost cones on bit #1.
Jan. 19	Drlg 7 7/8" hole 1035 to 1200'. Ream 7 7/8" hole to 12¼" hole from 41 to 240'. Ran 7 joints 8 5/8" surf pipe (240 feet). Cemented w/200 sxs. Plug down 3:00 p.m. W.O.C.
Jan. 20	W.O.C. Began to drill 7:30 a.m. Drlg 1200 to 1640'.
Jan. 21	Drlg 1640 to 2181'.
Jan. 22	Drlg 2181 to 2662'.
Jan. 23	Drlg 2662 to 3120'.
Jan. 24	Drlg 3120 to 3340'.
Jan. 25	Drlg 3340 to 3631'.
Jan. 26	Drlg 3531 to 3900'.
Jan. 27	Drlg 3900 to 4156'.
Jan. 28	Drlg 4156 to 4350'.
Jan. 29	Drlg 4350 to 4533'.
Jan. 30	Drlg 4533 to 4645'.
Jan. 31	Drlg 4645 to 4789'.
Feb. 1	Drlg 4789 to 4935'.
Feb. 2	Drlg 4935 to 5054'. Pull out for Core #1.
Feb. 3	Core #1 5054 to 5065'. Drlg 5065 to 5113'.
Feb. 4	Drlg 5113 to 5231'. Pull pipe to run DST #1.
Feb. 5	Ran DST #1 5216 to 5231'. Drlg 5231 to 5252'.
Feb. 6	Drlg 5252 to 5331'.
Feb. 7	Drlg 5331 to 5417'.
Feb. 8	Drlg 5417 to 5496'.
Feb. 9	Drlg 5496 to 5539'.
Feb. 10	Drlg 5539 to 5618'.
Feb. 11	Drlg 5618 to 5700'.
Feb. 12	Drlg 5700 to 5770'.
Feb. 13	Drlg 5770 to 5842'.
Feb. 14	Drlg 5842 to 5933'.
Feb. 15	Drlg 5933 to 6027'.
Feb. 16	Drlg 6027 to 6130'.
Feb. 17	Drlg 6130 to 6168'. Ran Schlum Run #1. Ran GR-Sonic, I.E.S. & Microlog. Logging from 9:30 a.m. until 3:30 p.m. W.O.O. 3:30 p.m. until 9:15 p.m. Apply 3' uphole correction. 6168 = 6165 corrected.
Feb. 18	Drlg 6165 to 6259'.
Feb. 19	Drlg 6259 to 6331'.
Feb. 20	Drlg 6331 to 6369'.
Feb. 21	Drlg 6369 to 6417'.
Feb. 22	Drlg 6417 to 6466'.
Feb. 23	Drlg 6466 to 6510'.
Feb. 24	Drlg 6510 to 6561'.
Feb. 25	Drlg 6561 to 6620'.
Feb. 26	Drlg 6620 to 6710'.
Feb. 27	Drlg 6710 to 6749'.
Feb. 28	Ran Schlum Run #2. Ran GR-Sonic, I.E.S. & Microlog. Plugged and abandoned hole.

Davis Oil Co. & The Tiger Drlg. Co. C-1 Navajo, Apache County, Arizona

BIT RECORD

1.	Smith	7 7/8"	RT	0-618'	618'	17	hrs.
2.	Reed	"	YS1	618-1156'	538'	13 1/4	"
3.	Smith	"	LT2G	1156-1200'	44'	2	"
4.	Smith (RR#3)	"	"	1200-1502'	302'	8 3/4	"
5.	C.P.	"	ES2G	1502-1684'	182'	6 1/2	"
6.	HTC	"	OSC1G	1684-2003'	319'	10 1/2	"
7.	Reed	"	YT1	2003-2202'	199'	7 3/4	"
8.	Smith	"	K2P	2202-2650'	448'	15 1/2	"
9.	C.P.	"	ES2	2650-2826'	176'	5 3/4	"
10	Smith	"	K2P	2826-2975'	149'	9	"
11	Reed	"	YS1	2975-3208'	233'	16 3/4	"
12	HTC	"	OSC	3208-3403'	195'	10 1/4	"
13	Smith	"	K2P	3403-3542'	139'	10	"
14	Reed	"	YT	3542-3645'	103'	8	"
15	Smith	"	SV2	3645-3807'	164'	12 1/4	"
16	HTC	"	OSC	3807-3974'	167'	10 3/4	"
17	"	"	"	3974-4156'	182'	13 3/4	"
18	Reed	"	YT	4156-4259'	103'	9	"
19	Smith	"	SV2	4259-4380'	121'	12 3/4	"
20	Smith	"	SV2	4380-4496'	116'	11 3/4	"
21	HTC	"	OWV	4496-4558'	62'	8	"
22	Sec	"	M4	4558-4622'	64'	10	"
23	HTC	"	OWV	4622-4734'	112'	15	"
24	Sec	"	M4N	4734-4841'	107	12 3/4	"
25	Smith	"	SV2	4841-4948'	107'	16	"
26	Sec.	"	M4N	4948-5054'	106'	16	"
27	C.P.	"	EM1V	5065-5113'	48'	7 1/4	"
28	HTC	"	OW	5113-5171'	58'	8	"
29	Smith	"	C2	5171-5231'	60'	6 1/2	"
30	Reed	"	YS-1	5231-5252'	21'	5 1/2	"
31	Smith	"	T2	5252-5299'	47'	10	"
32	Sec.	"	M4L	5299-5365'	66'	14 1/4	"
33	Smith	"	C2	5365-5432'	67'	16	"
34	Reed	"	YS	5432-5488'	56'	11	"
35	C.P.	"	EM1C	5488-5502'	14'	5 1/4	"
36	HTC	"	W7R2	5502-5524'	22'	5 1/4	"
37	Reed	"	YS	5524-5542'	18'	7	"
38	HTC	"	OWV	5542-5627'	85'	15 3/4	"
39	Smith	"	C2	5627-5658'	31'	7 1/2	"
40	Sec.	"	M4L	5658-5738'	80'	14 1/2	"
41	Smith	"	T2	5738-5781'	43'	14 1/4	"
42	HTC	"	OWC	5781-5842'	61'	13	"
43	Smith	"	T2	5842-5896'	54'	10	"
44	Smith	"	C2	5896-5949'	54'	14 1/2	"
45	Reed	"	YM	5949-6033'	84'	15 1/2	"
46	Reed	"	"	6033-6114'	81'	13 1/4	"
47	HTC	"	OWC	6114-6168'	54'	8 3/4	"
48	Reed	"	YM	6168-6255'	90'	17 1/2	"
49	Reed	"	"	6255-6308'	53'	13 1/4	"
50	Smith	"	T2	6308-6331'	23'	6 3/4	"
51	Reed	"	YHW	6331-6350'	19'	7 1/2	"
52	Reed	"	YVC	6350-6415'	65'	26	"
53	"	"	YHW	6415-6432'	17'	7	"
54	Smith	"	4W4	6432-6468'	36'	14	"

Davis Oil Co. & The Tiger Drlg. Co. C-1 Navajo, Apache County, Arizona

BIT RECORD CONTINUED

55	Reed	7 7/8"	YVC	6468-6518'	51'	25 1/4	hrs
56	Smith	"	4W4	6519-6561'	42'	14	"
57	Smith	"	"	6561-6611'	50'	12 1/4	"
58	Reed	"	YHS	6611-6664'	53'	13 1/4	"
59	HTC	"	57R2	6664-6726'	62'	14 1/2	"
60	"	"	"	6726-6741'	15'	7	"
61	Reed	"	YVC	6741-6749'	8'	3 3/4	"

MUD RECORD

Date	Depth	Wt	Vis	Gel	Wtr loss	Cake	Sand	P.H.	Salt
Jan 23		9.4	47	1-28	4	1/32	2 %	11	400
Jan 25	3530'	9.7	51	2-36	4	"	1/4%	10.2	400
Jan 27	4010'	9.7	46	3-26	5	"	"	11.4	400
Jan 29	4490'	9.8	43	1-12	3	"	"	10.5	450
Jan 31	4725'	9.8	40	0-3	3	"	"	10.5	450
Feb 2	5020'	9.8	42	0-2	2	"	"	10.5	500
Feb 4	5171'	9.9	39	0-2	2.5	"	1/8%	11.1	450
Feb 6	5299'	9.9	47	1-3	2.0	"	1/4%	10.8	500
Feb 8	5480'	9.9	51	0-6	2.0	"	"	11.4	550
Feb 10	5589'	9.8	50	0-4	2.6	"	"	12.2	600
Feb 12	5745'	9.9	53	0-13	3.0	"	"	11.8	600
Feb 13	5808'	9.9	50	0-10	2.5	"	"	11.5	500
Feb 15	5982'	9.9	49	0-11	3.0	"	1/2%	12.2	500
Feb 17	6168'	10	72	5-36	2.0	"	1/4%	11	500
Feb 19	6308'	9.9	74	4-33	2.4	"	3/4%	11	800
Feb 21	6415'	9.9	60	0-12	2.6	"	1 %	11.5	550
Feb 25	6620'	9.9	55	0-18	3.0	"	1 1/2%	11.5	600
Feb 26	6675'	9.9	56	0-17	3.0	"	1 1/4%	11.5	500

SLOPE TESTS

Jan 18	499'	1 degree	Feb 12	5730'	2 3/4 degree
Jan 20	1500'	1/2 "	Feb 15	5949'	" "
Jan 21	2003'	1 "	Feb 17	6168'	2 1/2 "
Jan 22	2650'	1 1/2 "	Feb 18	6255'	2 1/2 "
Jan 24	3208'	1/2 "	Feb 19	6308'	2 1/4 "
Jan 28	4259'	3/4 "	Feb 19	6331'	2 1/2 "
Jan 30	4558'	1/2 "	Feb 23	6468'	2 "
Feb 2	4948'	1 "	Feb 27	6726'	2 "
Feb 9	5524'	2 1/2 "			

PLUGGING PROCEDURE

1.	6250 up to 6050'	200'	60 sxs
2.	5000 up to 4850'	150'	45 "
3.	3500 up to 3400'	100'	30 "
4.	2500 up to 2400'	100'	30 sxs
5.	950 up to 800'	150'	45 "
6.	350 up to 200'	150'	45 "
7.	Top surface pipe	28'	10 "

MAR 15 1951
O & G
COMM.

139

BOND

KNOW ALL MEN BY THESE PRESENTS

That we: DAVIS OIL COMPANY

of the County of: DENVER in the State of: COLORADO

as Principal, and INDEMNITY INSURANCE COMPANY OF NORTH AMERICA

of PHILADELPHIA, PENNSYLVANIA
AUTHORIZED TO DO BUSINESS WITHIN THE State of Arizona.

as surety, are held and firmly bound unto the State of Arizona in the penal sum as indicated, lawful money of the United States, for which payment, well and truly to be made, we bind ourselves, and each of us, and each of our heirs, executors, administrators or successors, and assigns jointly and severally, firmly by these presents.

The condition of this obligation is that whereas the above bounden principal proposes to drill a well or wells for oil, gas or stratigraphic purposes in and upon the following described land situated within the State, to wit:

SE 4 SE 4 Section 29 - 41 N - 29E Apache County, Arizona
(May be used as blanket bond or for single well)

x
x
x
x
x

CANCELLED

NOW, THEREFORE, if the above bounden principal shall comply with all of the provisions of the laws of this State and the rules, regulations and orders of the Oil and Gas Conservation Commission, especially with reference to the requirements of A.R.S. 27-516, providing for the proper drilling, casing and plugging of said well or wells, and filing with the Oil & Gas Conservation Commission all notices and records required by said Commission, in the event said well or wells do not produce oil or gas in commercial quantities, or cease to produce oil or gas in commercial quantities, then this obligation is void; otherwise, the same shall be and remain in full force and effect.

Penal sum of TWO THOUSAND FIVE HUNDRED ($2,500.00) DOLLARS

Witness our hands and seals, this 11th day of October, 1960

DAVIS OIL COMPANY

Marvin Davis, General Partner Principal

Witness our hands and seals, this 11th day of October, 1960

INDEMNITY INSURANCE COMPANY OF NORTH AMERICA

Edward W. Hallman Surety
Attorney-in-Fact

(If the principal is a corporation, the bond should be executed by its duly authorized officers, with the seal of the corporation affixed. When principal or surety executes this bond by agent, power of attorney or other evidence of authority must accompany the bond.)

Approved 10/27/60
Date

Charles Kelly
STATE OF ARIZONA
OIL AND GAS CONSERVATION COMMISSION
Acting Chairman

139

May 17, 1961

Davis Oil Company
1020 Midland Savings Building
Denver 2, Colorado

Gentlemen:

Enclosed is your file copy of an approved application to abandon and plug on your Navajo C-1 Well in Section 29, T 41 N, R 29 E, Apache County, Arizona.

If we may help in any way, please do not hesitate to call upon us.

Yours very truly,

Brooks Pierce
Petroleum Geologist

hme
enc 1

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

May 9, 1961

Re: Navajo C-1
SE SE Sec. 29-41N-29E
Apache Co., Arizona

Mr. Brooks Pierce, Petroleum Geologist
Oil & Gas Conservation Commission
State of Arizona
3500 N. Central - Suite 221
Phoenix 12, Arizona

Dear Mr. Pierce:

As per your letter of April 18, 1961, enclosed please find the forms forwarded for our completion in connection with the captioned test well.

We trust these forms have been completed satisfactorily and if additional information is required, please advise.

Yours very truly,

DAVIS OIL COMPANY

Paul Messinger

Paul Messinger
Exploration Manager

PM:ljp
Encls.

RECEIVED
MAY 11 1961
STATE O & G
CONS. COMM.

139

April 18, 1961

Mr. Paul Messinger, Exploration Manager
Davis Oil Company
1020 Midland Savings Building
Denver 2, Colorado

Re: Davis Oil Company Navajo C-#1, SE SE Sec. 29,
T 41 N, R 29 E., Apache County, Arizona

Dear Mr. Messinger:

We are in receipt of copies of notices and the log on the above captioned well that you furnished the Department of the Interior. However, we are enclosing Forms O & G 55, Application to Abandon, Plug, etc. and O & G 56, Abandonment and Plugging Record.

Will you please prepare these so that we may complete our files. I would appreciate this at your earliest convenience.

Yours very truly,

Brooks Pierce
Petroleum Geologist

BP:hme
encs 6

139

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 10, 1961

Re: Navajo C-1
SE SE Sec. 29-41N-29E
Apache Co., Arizona

COPY

Superior Oil Company
209 Simms Bldg.
Albuquerque, New Mexico
Attn: Mr. Don Mathews

Union Oil Company of California
444 Sherman Street
Denver, Colorado
Attn: Mr. R. A. Higgins

Union Oil Company of California
P. O. Box 1760
Durango, Colorado
Attn: Mr. Ray Burns

Pan American Petroleum Corp.
P. O. Box 480
Farmington, New Mexico
Attn: Mr. R. M. Byington

Atlantic Refining Company
P. O. Box 379
Durango, Colorado
Attn: Mr. J. K. Letts

Sinclair Oil & Gas Company
P. O. Box 4005
Albuquerque, New Mexico
Attn: Mr. C. M. Garrett

Shell Oil Company
705 Municipal Drive
Farmington, New Mexico
Attn: Mr. E. G. Hoskins

Gentlemen:

Enclosed please find for your respective files, a copy of the approved Notice of Intention to Abandon, and one copy of the geological report in connection with the captioned well.

Yours very truly,

DAVIS OIL COMPANY

ORIGINAL SIGNED
BY PAUL MESSINGER

Paul Messinger
Exploration Manager

PM-jt
Encls. (2)

cc: Mr. W. F. Maule
Oil & Gas Conservation Comm.

139

DAVIS OIL COMPANY
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 10, 1961

Re: Davis Oil
NE SE Sec. 29-21N-20E
Apache Co., Arizona

Superior Oil Company
209 Simms Bldg.
Albuquerque, New Mexico
Attn: Mr. Jack Matthews

Union Oil Company of California
444 Sherman Street
Denver, Colorado
Attn: Mr. A. A. Higgins

Amerada Petroleum Corporation
P. O. Box 549
Farmington, New Mexico
Attn: Mr. R. G. Dearnley

Amerada Refining Company
P. O. Box 479
Durango, Colorado
Attn: Mr. J. E. Weiss

Stanolind Oil & Gas Company
P. O. Box 4003
Albuquerque, New Mexico
Attn: Mr. O. R. Garrett

Shell Oil Company
205 Municipal Drive
Farmington, New Mexico
Attn: Mr. R. G. Keating

Gentlemen:

Enclosed please find for your respective files, a copy of the approved Notice of Intention to Abandon, and one copy of the geological report in connection with the captioned well.

Yours very truly,

DAVIS OIL COMPANY

Joel Montgomery
Exploration Manager

Encl. (2)

Mr. W. B. Maxie
Oil & Gas Conservation Comm.

RECEIVED
MAR 15 1961
OIL & GAS
CONS. COMM.

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 3, 1961

Re: Navajo C-1
SE SE Sec. 29-41N-29E
Apache Co., Arizona

COPY

Mr. Phil McGrath
P. O. Box 965
Farmington, New Mexico

Dear Sir:

Enclosed please find an original and two copies of our Notice of Intention to Abandon Well, two copies of the Log of Oil or Gas Well, and two copies of the geological report in connection with the captioned well.

By a carbon copy of this letter we are furnishing the Oil and Gas Conservation Commission with one copy of each of the above.

Yours very truly,

DAVIS OIL COMPANY

ORIGINAL SIGNED
BY PAUL MESSINGER

Paul Messinger
Exploration Manager

PM:jt

Encls.

cc: State of Arizona
Oil & Gas Conservation Commission

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January 3, 1961

Davis Oil Company
1020 Midland Savings Building
Denver 2, Colorado

Attention: Mr. Paul Messinger
Exploration Manager

Gentlemen:

Enclosed is your receipt for the $25.00 drilling permit fee. Also enclosed is an approved copy of your application to drill with regard to Navajo C-1, Section 29, T. 41N, R. 29E, in Apache County, Arizona.

Thank you very much.

Yours very truly,

D. A. Jerome
Executive Secretary

W. F. MAULE
Petroleum Engineer

ew
Enclosures

Firm Issued
Well Permit

A drilling
foot well on
19, Township
east of Apache
issued to Davis
the state oil and g
reported yesterday.
Navajo C-1
three miles fr
12 miles fro
line in the
of the Navajo In-
tion.

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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

December 27, 1960

Re: Navajo C-1
SE SE Sec. 29-41N-29E
Apache Co., Arizona

State of Arizona
Oil & Gas Conservation Commission
3500 N. Central - Suite 312
Phoenix, Arizona

Attention: Mr. W. F. Maule
Petroleum Engineer

Gentlemen:

Enclosed please find an original and one copy of our Notice of Intention to Drill and staking plat in connection with the captioned test.

We are also enclosing our check in the amount of $25.00 and a copy of our Notice filed with the U. S. G. S.

We trust this application in now order and that approval will beggiven our Notice.

Yours very truly,

DAVIS OIL COMPANY

Paul Messinger

Paul Messinger
Exploration Manager

PM:ljp
Encls.

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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

November 8, 1960

Re: Bond
State of Arizona

Mr. W. F. Maule, Petroleum Engineer
Oil and Gas Conservation Commission
State of Arizona
3500 N. Central - Suite 312
Phoenix, Arizona

Dear Mr. Maule:

Enclosed please find a Bond in the amount of $2,500.00, covering our proposed location in Apache Co., Arizona.

We trust this fulfills the requirement for a bond and if not, please so advise.

Yours very truly,

DAVIS OIL COMPANY

Paul Messinger

Paul Messinger
Exploration Manager

PM:ljp
Encls.

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October 24, 1960

Insurance Company of North America
316 Luhrs Building
Phoenix, Arizona

Attention: Mr. Hallman Re: Davis Oil Company

Dear Mr. Hallman:

Pursuant to the telephone conversation with a representative of your company, we are enclosing six copies of our Bond form which she requested.

Yours very truly,

D. A. Jerome
Executive Secretary

DAJ/ew
Enclosures

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October 3rd, 1960

Mr. Paul Messinger
Exploration Manager
Davis Oil Company
1020 Midland Savings Bldg.
Denver 2, Colorado

Dear Mr. Messinger:

In answer to your questions in your letter of September 29, the State of Arizona requires that our forms be used in informing this office of your progress with the well. We have received from time to time the Federal report, Lessee's Monthly Report of Operations, which is acceptable, together with our required forms. Further, there is a $2500 bond required per well or $10,000 bond, a blanket bond, for all wells drilled in this State.

Enclosed are a copy of your Organization Report, approved by this office, and the present rules and regulations of this Commission. We thank you very much for your inquiry.

Yours very truly,

W. F. Maule
Petroleum Engineer

WFM/ew
Enclosures: cc Form OG50
Rules & Reg.

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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

September 29, 1960

Oil and Gas Conservation Commission
State of Arizona
3500 N. Central - Suite 312
Phoenix, Arizona

Attention: Mr. W. F. Maule

Dear Mr. Maule:

We wish to thank you for your letter of September 27, 1960, and the enclosures therein.

In the not-to-far future, we will be drilling in your State on a Navajo Indian lease and as such, we will be required to file a notice of intention to drill and a bond with the proper Indian Agency of the United States Government. In other states, such as Utah, we send the Oil and Gas Conservation Commission carbon copies of all reports filed with the Indian Agency. Therefore, we are wondering whether the same would apply to drilling on Indian land in your State or whether we would need an additional bond as well.

Will you please inform us of the procedure to be followed in this instance.

We are enclosing three copies of the Organization Report for Davis Oil Company, and expect an approved copy returned for our files.

Thank you for your cooperation.

Yours very truly,

DAVIS OIL COMPANY

Paul Messinger

Paul Messinger
Exploration Manager

PM:ljp
Encls.

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