

Davis Oil Co. #1 Navajo
SE/4-SE/4 Sec 33-42N-R29E 191
Apache, County

P-M

sl

COUNTY Apache AREA Four Corners LEASE NO. 14-20-603-223

WELL NAME Davis Oil Company #1 Navajo

LOCATION SE SE SEC 33 TWP 42N RANGE 29E FOOTAGE 642 FSL 660 FEL
ELEV 5137 GR 5146 KB SPUD DATE 7-14-62 STATUS PGA TOTAL
COMP. DATE 8-13-62 DEPTH 5784

CONTRACTOR Mt. States Drlg Co. Rig #4 5775' Am Strat

CASING SIZE 8 5/8 DEPTH 262 CEMENT 150 sx LINER SIZE & DEPTH NA DRILLED BY ROTARY x
DRILLED BY CABLE TOOL _____
PRODUCTIVE RESERVOIR _____
INITIAL PRODUCTION PGA

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
Chinle	880		x	
Shinarump	1700			
Moenkopi	2177			
DeChelly	2473			
Organ Rock	4051			
Hermosa	4840			
Upper Ismay	4938			
Lower Ismay	4972			
Paradox	4983			
Desert Creek	5198			
Akah	5320			
Barker Creek	5528			
Pinkerton	5750			
Molas	5784			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG
<u>Sonic, Microlog, IE</u>	<u>NA</u>	<u>NA</u>	<u>Am Strat</u>
			SAMPLE DESCRP. <u>x</u>
			SAMPLE NO. _____
			CORE ANALYSIS _____
			DSTs <u>x</u>

REMARKS Have hit record; also see file APP. TO PLUG x
PLUGGING REP. x
COMP. REPORT x

WATER WELL ACCEPTED BY _____

BOND CO. Fidelity & Deposit Company of America BOND NO. _____
BOND AMT. \$ 2500 CANCELLED 3-19-63 DATE _____
FILING RECEIPT 9300 LOC. PLAT x WELL BOOK x ORGANIZATION REPORT x
API NO. _____ DATE ISSUED 6-14-62 DEDICATION S/2 SE/4 PLAT BOOK x

PERMIT NUMBER 191

APACHE COUNTY ARIZONA WILDC... 33-42N-29E

Well: DAVIS OIL CO. #1 Navajo-Arizona

Result: D&A

Loc'n: SE SE, 33-42N-29E, 642' FSL, 660' FEL; 6600' Molas test;
C/Mtn. States Drig. Co.

Spud: 7-14-62; Comp: 8-13-62; Elev: 5137' grd; TD: 5784'

Casing: 8-5/8" 265'/150 sx

Comp Info: Drig break @ 4954-55', li, gry-buff, f-xln, dns, no por, NS; Drig break @ 4999-5004' li, tan to crm, med-xln, no por, NS; Spl desc: 5039-5109' li, f-med-xln, gry, dns, no por, NS; Drig 5341', sh, dk gry-blk, anhy inbd, no por, NS; Simpl Desc: 5394-99' dolo, wht-tan, med-xln, poor por, sli odor & fluor, sli sho; DST #1, 5340-5417', SI/30 min, op 1 hr, SI/30 min, rec 180' sli G&WCM, FP 44-89#, SIP 1260-1068#; Drig break @ 5427-32', 5444-47', no por or sho; DST #2, 5003-5036', SI/30 min, op 1 hr, SI/30 min, wk blo, rec 75' WCM, 75' salty wtr, FP 0-390#, SIP 1880-1880#, HP 2590-2390#.

Tops: (Spl) Chinle 886', Shin 1700', Mpen 1836', DeChelly 2144', Org Rock 2461', Herm 4030', U/Ismay 4835', L/Ismay 4930', Para sh 4970', Des Crk 4980', Akah 5150'; (EL) Navajo 400', Wingate 620', Chinle 880', Shin 1700', Moen 1860', De Chelly 2177', Org Rock 2473', Herm 4051', U/Ismay 4840', L/Ismay 4939', Para sh 4972', Des Crk 4983', Akah 5198', Barker Creek 5320', Pinkerton Trail 5528', Molas 5752'.

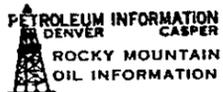
NSH
Sea Research
OIL REPORTS

Date: 9-7-62

Card No.:

3 ams

191
ARIZONA
APACHE CO.
BOUNDARY BUTTE AREA (W)



Twp 42n-29e
Section 33
se se
642 n/s 660 w/e

OPR: Davis Oil

WELL #: 1 Navajo-Arizona

ELEV: 5137 Gr.

DSTS. & CORES:

SPUD: 7-14-62

COMPL: 8-13-62

*TOPS: Log Sample

No cores. DST 5340-5417
1 hr, rec 180 mud, sli gas
& wtr cut, FP 44-89#,
SIP (30 min) 1068#.

TD: 5784

PB:

CSG: 8-5/8" @ 265 w/150

PERF:

Navajo 400
Wingate 620
Chinie 880
Shinarump 1700
Moenkopi 1860
DeChelly 2177
Organ Rock 2473
Hermosa 4051
Upper Ismay 4840
Lower Ismay 4939
Paradox sh 4972
Desert Creek 4983
Akeh 5198
Rarker Creek 5320
Pinkerton Trail 5528
Molas 5752

BROD. ZONE:

INIT. PROD: D & A.

Contr: Mountain States.

ARIZ 2-261280

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

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

DESIGNATE TYPE OF COMPLETION:

New Well Work-Over Deepen Plug Back Same Reservoir Different Reservoir Oil Gas Dry

DESCRIPTION OF WELL AND LEASE

Operator **Davis Oil Company** Address **1020 Midland Savings Bldg. - Denver 2, Colo.**

Federal, State or Indian Lease Number or name of lessor if fee lease **14-20-603-223** Well Number **1** Field & Reservoir **Wildcat**

Location **SE SE Section 33, T 42 N, R 29 E** County **Apache**

Sec. TWP-Range or Block & Survey **See above**

Date spudded **7-4-62** Date total depth reached **8-11-62** Date completed, ready to produce **8-13-62** Elevation (DP, RKB, RT or Gr.) **GR 5136-KB 5146 feet** Elevation of casing hd. flange **----** feet

Total depth **5784** P.B.T.D. **----** Single, dual or triple completion? **-----** If this is a dual or triple completion, furnish separate report for each completion.

Producing interval (s) for this completion **None** Rotary tools used (interval) **0-5784** Cable tools used (interval) **0**

Was this well directionally drilled? **No** Was directional survey made? **No** Was copy of directional survey filed? **No** Date filed **----**

Type of electrical or other logs run (check logs filed with the commission) **Induction Electric, Gamma Ray-Sonic, Microlog** Date filed **----**

CASING RECORD

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)

Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled
Surface	12 1/2	8 5/8	24	262 K.B.	150 sx	None

TUBING RECORD

LINER RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
in.	ft.	ft.	in.	ft.	ft.		
None				None			

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval
None			None	

INITIAL PRODUCTION

Date of first production **None** Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:)

Dats of test	Hrs. tested	Choke size	Oil prod. during test	Gas prod. during test	Water prod. during test	Oil gravity
			bbls.	MCF	bbls.	* API (Corr)

Tubing pressure	Casing pressure	Cal'd rate of Production per 24 hrs.	Oil	Gas	Water	Gas-oil ratio
			bbls.	MCF	bbls.	

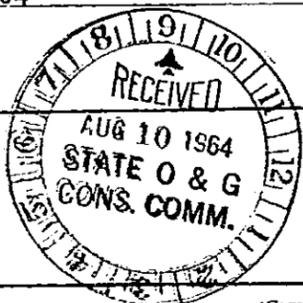
Disposition of gas (state whether vented, used for fuel or sold):

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Drilling & Production Manager of the Davis Oil Company (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Date August 7, 1964

Signature [Signature]

Permit No. 191



STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Well Completion or Recompletion Report and Well Log
Form No. 4
File One Copy

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
			SEE ATTACHED GEOLOGICAL REPORT

* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS:

Attach drillers log or other acceptable log of well.

This Well Completion or Recompletion report and well log shall be filed with the State of Arizona Oil & Gas Conservation Commission not later than thirty days after project completion.

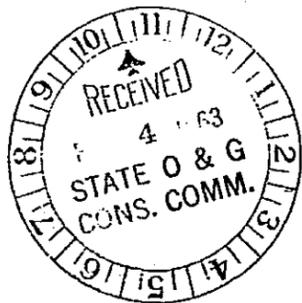
Form No. 4

PLUGGING RECORD

Operator Davis Oil Company		Address 1020 Midland Savings Building-Denver 2, Colorado			
Name of Lease Navajo - Arizona		Well No. 1	Field & Reservoir Wildcat		
Location of Well Gen/SE SE (E₁/2) Sec. 33, T 42 N, R 29E, G&SRM		Sec-Twp-Rge or Block & Survey		County Apache	
Application to drill this well was filed in name of Davis Oil Company	Has this well ever produced oil or gas No	Character of well at completion (initial production): Oil (bbbls/day) Gas (MCF/day)		Dry? Yes	
Date plugged: August 13, 1962	Total depth 5784	Amount well producing when plugged: Oil (bbbls/day) Gas (MCF/day)		Water (bbbls./day) 0	
Name of each formation containing oil or gas. Indicate which formation open to well-bore at time of plugging	Fluid content of each formation	Depth interval of each formation		Size, kind & depth of plugs used. Indicate zones squeeze cemented, giving amount cement.	
Desert Creek	Dry and tight	4983		5100 - 4900 - 63 sacks	
DeChelly	Water wet?	2177		2250 - 2000 - 78 sacks	
Chinle	Water wet?	880		1000 - 900 - 32 sacks	
				30 - 0 - 10 sacks	
CASING RECORD					
Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)	Give depth and method of parting casing (shot, ripped etc)	Packers and shoes
8-5/8"	262	0	262	- - -	None
Was well filled with mud-laden fluid, according to regulations? Yes				Indicate deepest formation containing fresh water. DeChelly	
NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE					
Name	Address			Direction from this well:	
In addition to other information required on this form, if this well was plugged back for use as a fresh water well, give all pertinent details of plugging operations to base of fresh water sand, perforated interval to fresh water sand, name and address of surface owner, and attach letter from surface owner authorizing completion of this well as a water well and agreeing to assume full liability for any subsequent plugging which might be required.					
Use reverse side for additional detail File this form in duplicate with the State of Arizona Oil & Gas Conservation Commission					
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the... Production Manager ...of the ... Davis Oil Company ... (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.					
Date January 31, 1963		Signature E. L. Karn, Jr. - <i>E L Karn</i>			
app. <i>Johuk Paly</i>		STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION			
		Form No. P-15 Plugging Record File two copies Authorized by Order No. 4-98 			

191

3



APPLICATION TO ABANDON AND PLUG

FIELD Wildcat
 OPERATOR Davis Oil Company ADDRESS 1020 Midland Savings Building
Denver 2, Colorado
 LEASE Navajo - Arizona WELL NO. 1 COUNTY Apache
 SURVEY SE SE (E $\frac{1}{2}$) SECTION 33 DRILLING PERMIT NO. _____
 LOCATION 642 feet from south line and 669 feet from east line.
Gen/SE SE (E $\frac{1}{2}$) Section 33, T 42 N, R 29 E, G&SRM
 TYPE OF WELL Dry Hole TOTAL DEPTH 5784'
(Oil, Gas or Dry Hole)
 ALLOWABLE (If Assigned) _____
 LAST PRODUCTION TEST OIL _____ (Bbls.) WATER _____ (Bbls.)
 GAS _____ (MCF) DATE OF TEST _____
 PRODUCING HORIZON None PRODUCING FROM _____ TO _____

1. COMPLETE CASING RECORD _____
8-5/8" O. D., 24#, New Casing Set at 262' K.B. and cemented with 150 sacks
of cement.

2. FULL DETAILS OF PROPOSED PLAN OF WORK Plugged and abandoned as follows:
5100 - 4900' 63 sacks Across Desert Creek Zone
2250 - 2000' 78 sacks Across DeChelly Sand
1000 - 900' 32 sacks Across Chinle
30 - 0' 10 sacks In top of casing with regulation marker

If well is to be abandoned, does proposed work conform with requirements of Rule 202? Yes If not, outline proposed procedure above.

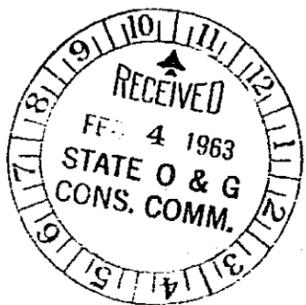
DATE COMMENCING OPERATIONS August 13, 1962
 NAME OF PERSON DOING WORK Mountain States Drilling Company ADDRESS Denver, Colorado
For Davis Oil Company
 CORRESPONDENCE SHOULD BE SENT TO Davis Oil Company - Denver, Colorado

NAME E. L. Karn, Jr. - EJ Karn
 TITLE Production Manager

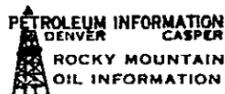
Date Approved John K. Petty

STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Application to Abandon and Plug
 Form No. 15A File 2 Copies
 Authorized by Order No. 4459
 Effective April 6, 1959



ARIZONA
APACHE CO.
BOUNDARY BUTTE AREA (W)



Twp 42n-29e
Section 33
se se
642 n/s 660 w/e

OPR: Davis Oil	WELL #: 1 Navajo-Arizona
ELEV: 5137 Gr.	SPUD: 7-14-62
*TOPS: Log Sample	COMPL: 8-13-62
Navajo 400	TD: 5784
Wingate 620	CSG: 8-5/8" @ 265 w/150
Chinle 880	PERF:
Shinarump 1700	BROD. ZONE:
Moenkopi 1860	INIT. PROD: D & A.
DeChelly 2177	
Organ Rock 2473	
Hermosa 4051	
Upper Ismay 4840	
Lower Ismay 4939	
Paradox sh 4972	
Desert Creek 4983	
Akah 5198	
Barker Creek 5320	
Pinkerton Trail 5528	
Molas 5752	
Contr: Mountain States.	
ARIZ 2-261280	

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

APACHE COUNTY ARIZONA WILDC. 33-42N-29E

Well: DAVIS OIL CO. #1 Navajo-Arizona Result: D&A
Loc'n: SE SE, 33-42N-29E, 642' FSL, 660' FEL; 6600' Molas test;
C/Mtn, States Drig. Co.

Spud: 7-14-62; Comp: 8-13-62; Elev: 5137' grd; TD: 5784'

Casing: 8-5/8" 265'/150 sx

Comp Info: Drig break @ 4954-55', li, gry-buff, f-xln, dns, no por, NS; Drig break @ 4999-5004'; li, tan to crm, med-xln, no por, NS; Spl desc: 5039-5109'; li, f-med-xln, gry, dns, no por, NS; Drig 5341', sh, dk gry-blk, anhy inbd, no por, NS; Smp1 Desc: 5394-99'; dolo, wht-tan, med-xln, poor por, sli odor & fluor, sli sho; DST #1, 5340-5417', SI/30 min, op 1 hr, SI/30 min, rec 180' sli G&WCM, FP 44-89#, SIP 1260-1068#; Drig break @ 5427-32', 5444-47', no por or sho; DST #2, 5003-5036', SI/30 min, op 1 hr, SI/30 min, wk blo, rec 75' WCM, 75' salty wtr, FP 0-390#, SIP 1880-1880#, HP 2590-2390#.

Tops: (Spl) Chinle 886', Shin 1700', Mpen 1836', DeChelly 2144', Org Rock 2461', Herm 4030', U/Ismay 4835', L/Ismay 4930', Para sh 4970', Des Crk 4980', Akah 5150'; (EL) Navajo 400', Wingate 620', Chinle 880', Shin 1700', Moen 1860', De Chelly 2177', Org Rock 2473', Herm 4051', U/Ismay 4840', L/Ismay 4939', Para sh 4972', Des Crk 4983', Akah 5198', Barker Creek 5320', Pinkerton Trail 5528', Molas 5752'.

See Reports
OIL REPORTS

Date: 9-7-62

Card No.:

3 ams

Oil #191

(21) 33-42N-29E
660' FEL-642' FSL
Davis Oil Co
#1 Navajo Arizona

8-62

WILDCAT ~~at~~ Boundary Butte; proposed 660' Penn test;
C/Mt. States Drlg Co, Denver; RT; elev 5137' GL; spud 7-14-
62; set 8 5/8" csg @ 265' w/150 ex; DST #1, 5340-5417',
op 60 min, rec 180' SCCM; ISIP 1260#/30 min; FSIP 1068/30
min; FP 44-89#; DST #2, 5003-5036', op 60 min, rec 75'
WCM& 75'SW; ISIP 1880#/30 min; FSIP 1880#/30 min; FP 0-290#
TD 5784'; P&A 8-13-62. EL/TOPS: Hermosa 4057'; Ismay
4835'; Desert Creek 4982'; Molas 5750'. FINAL REPORT.

DAVIS OIL TO DRILL NAVAJO WILDCAT

Davis Oil Company of Denver has announced a 6600 foot Pennsylvanian test for northern Apache County. The wildcat will be located 660' from-the-east-line and 642' from-the-south-line of section 33, Township 42 North, Range 29 East. The well will be designated as the Number 1 Navajo Arizona. Contractor selection has not yet been made.

The farmout was made from Shell Oil Company. The location is approximately 5 miles east of Humble and Shell production at East Boundary Butte and approximately 5 miles north of Davis' Navajo C-1, a failure drilled last year.

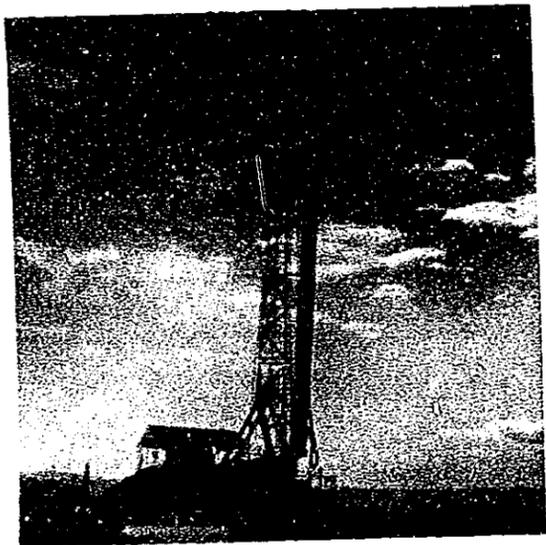
6-62

TD. 5784

PI card

Nav. 400	Barker Creek 5320
wingate 620	pinkertan trail 5524
chinate 880	molas - 5752
shin. 1700	
moink. 1860	
DeChelly 2177	
Organ Rock - 2473	
Hermosa 4051	
Up. Ismay 4840	
Low. " 4939	
paradox sh. 4992	
Desert cr. 4983	
Akah 5198	

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Davis Oil Co #1 Navajo Arizona Sec. 33-T40N
-R29E Apache Co. Penn. Test with
Total depth 5784 4 CORNERS AREA

Aug. 1962

191

5

PAUL R. BUEHLER
PETROLEUM GEOLOGIST
2775 CRABAPPLE RD.
GOLDEN, COLORADO
PHONE CR. 9-4323
August 15, 1962

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

Gentlemen:

Enclosed herewith are a descriptive sample log, drill stem test data, chronological log, bit record, slope test record, mud record, drilling time and plugging procedure on your No. 1 Navajo-Arizona, Apache County, Arizona. The formations penetrated and other data are as follows:

DAVIS OIL CO., NO. 1 NAVAJO-ARIZONA
SE SE (E 1/4) Sec. 33; T42N; R29E
Apache County, Arizona

Elev : 5136' grd; 5146' K.B. (L & S)
Comm : July 14, 1962
Comp : Aug. 13, 1962
Contr: Mountain States Drlg. Co. Rig #4
Csg : 8 5/8" @ 262' w/150 sxs.
Mud : Chem Gel
Hole Size: 7 7/8"

Top	Chinle	880'	Schlum
"	Shinarump	1700'	"
"	Moenkopi	1860'	"
"	DeChelly	2177'	"
"	Organ Rock	2473'	"
"	Hermosa	4051'	"
"	Upper Ismay	4840'	"
"	Lower Ismay	4938'	"
"	Paradox sh	4972'	"
"	Desert Creek zone	4983'	"
"	Akah zone	5198'	"
"	Barker Creek zone	5320'	"
"	Pinkerton Trail	5528'	"
"	Molas shale	5750'	"
T.D.		5784'	"

Schlumberger measure was 9 feet deeper than driller's measure at total depth and from 6 to 9 feet deeper than driller's measure at other correlative depths.

The lower Ismay zone had 2 feet of porosity indicated by Schlumberger logs from 4960 to 4962'. A drilling break of 1 foot was encountered in this section from 4952 to 4953' driller's measure. No shows were found in the drilling cuttings.

19/6

The Desert Creek zone had 6 feet of porosity indicated by the Schlumberger logs from 5006 to 5012'. A drilling break of 5 feet was encountered in this section from 4999 to 5004' driller's measure. No shows were noted in the drilling samples from this zone and porosity appeared very poor. After total depth was reached, a drill stem test was run from 5003 to 5036' Schlumberger depth which straddled this zone of porosity. Recovery was 75' of water cut mud and 75' of salty water.

Thin streaks of porosity were indicated by Schlumberger from 5350 to 5354' which corresponds to a drilling break from 5344 to 5348' driller's depth; 5360 to 5366' which corresponds to a drilling break at 5354 to 5360' driller; 5404 to 5407' which corresponds to a very slight, almost unnoticeable, drilling time increase from 5397 to 5400' driller's measure. Samples from the two upper zones contained limestone with oil odor and spotty fluorescence. These zones were drill stem tested on drill stem test No. 1 from 5340 to 5417' driller; 5346 to 5423' Schlum. Recovery was 180' of mud slightly cut with gas and slightly cut with black sulphur water. A rainbow of oil was also present.

Other porous streaks were drilled as follows:

5435-5440' Schlum; 5426-5432' Drlr.
5450-5454' Schlum; 5442-5447' Drlr.
5584-5588' Schlum; 5575-5580' Drlr.

The samples from these zones had scattered poor porosity and no shows were noted. No further porosities were noted to total depth in the Molas shale.

Since no commercial shows had been encountered, the No. 1 Navajo-Arizona was plugged and abandoned.

Very truly yours,

Paul R. Buehler
Paul R. Buehler,
Geologist

PRE/j

191 7

Davis Oil Co., #1 Navajo-Arizona, Sec 33; T42N; R29E, Apache County, Arizona

SAMPLE DESCRIPTIONS

Samples examined and logged by Paul R. Buehler, geologist
on location. Samples begin at 70'.

- 70- 190 Siltst to v.f.g. ss, orange to red.
- 190- 250 Siltst to f.g. ss, orange to red to crm w/few crs. g.
- 310 Ss as above, some friable.

TOP NAVAJO 400'

- 400 Ss, crm-orange as above.
- 460 Same.
- 640 Ss, orange-rd, v.f.g. to siltst w/few blk g.

TOP WINGATE 620'

- 850 Ss to siltst, orange-rd, friable.

TOP CHINLE 880' Schlum

- 920 (Smpls missing)
- 980 Sh, rd, silty (cement & celotex)
- 1130 Sh, rd, silty, sli gypsiferous.
- 1220 Sh, rd-drk rd.
- 1440 Same.
- 1630 Sh, rd-pnk, gypsiferous.
- 1690 Sh, rd-pnk.

TOP SHINARUMP 1700' Schlum

- 1720 Sh, rd-pnk & sh, gry, ans w/ltl ls, gry.
- 1780 Sh, rose-brn, nodular.
- 1810 Sh as above w/ltl ss, crs, ang.
- 1840 Same.

TOP MOENKOPI 1860' Schlum

- 1870 Sh, grn & sh, gry, sli bent.
- 2000 Sh, gry & sh, grn w/ltl ss, grn.
- 2120 Sh, gry & sh, grn & sh, rd.
- 2160 Sh as above.
- 2170 Missing.

TOP DeCHELLE 2177' Schlum

- 2180 Ss, wh, m.g. to crs. g, friable.
- 2200 Ss, wh, m.g. friable.
- 2300 Ss, wh, m.g. friable.
- 2400 Ss, orange, round, drills up free.
- 2470 Same.

TOP ORGAN ROCK 2473' Schlum

- 2480 Siltst, orange.
- 2500 Sh, red, silty.

Davis Oil Co., #1 Navajo-Arizona, Sec 33; T42N; R29E, Apache County, Arizona

- 2500-2700 Sh, red, & sh, gry.
-3300 Sh, red & sh, gry.
-3500 Sh, red & sh, gry, Ltl anhydrite.
-3970 Sh, gry w/ltl sh, red.
-4030 Sh, gry & sh, red.
-4040 Sh, red & gry; Ltl ls, wh, f. xln, chalky.

TOP HERMOSA 4051' Schlum

- 4060 Ls, wh-gry, f. xln, silty, 10%; Sh, red & sh, gry, 90%.
-4080 Sh, red & sh, gry; Ltl ls, wh, f. xln.
-4100 Ls, wh, f. xln, sli silty, 10%; Sh, red & gry, 90%.
-4110 Same; Ltl more Ls.
-4170 Sh, red w/ltl ls, wh, f. xln, chalky.
-4190 Ls, wh, f. xln w/ltl orange chert, 90%.
-4210 Ls as above, 10%; Sh, red, 90%.
-4290 Sh, red w/traces ls, wh, f. xln.
-4310 Sh, red.
-4320 Ls, wh, f. xln, chalky; Consid chert.
-4340 Ls, wh-gry, f. xln, arenaceous.
-4350 Sh, red-drk red.
-4360 Ls, wh, f. xln, w/consid chert.
-4400 Ls as above. (poor samples).
-4410 Sh, red & sh, gry w/ltl ls.
-4470 Ls, wh-gry, f. xln, 50%; Sh, gry, 50%.
-4500 Ls & sh as above.
-4515 Ls, gry, m. xln & sh, gry.
-4530 Ls, gry, m. xln, argillaceous.
-4570 Ls, gry-tan, m. xln.
-4600 Sh, gry & ls as above.
-4610 Ls, gry, f. xln-m. xln, mica & arenaceous.
-4625 Ls, gry, m. xln.
-4650 Ls, gry, m. xln.
-4670 Ls, gry, m. xln & sh, gry.
-4700 Sh, gry.
-4720 Sh, gry & ls, gry, m. xln.
-4740 Ls, wh-gry, f. xln-m. xln.
-4780 Sh, gry-drk gry.
-4820 Ls, wh-gry, m. xln.
-4835 Ls, wh-gry, m. xln w/ltl sh, gry.
-4845 Sh, gry (poor smpls).

TOP UPPER ISMAY 4840' Schlum

- 4855 Ls, gry-drk gry, f. xln, arenaceous.
-4875 Ls, gry, m. xln, dns.
-4880 Ls, gry, m. xln, dns w/ltl chert.
-4885 Ls, gry, m. xln, dns, w/ltl chert & sh, gry.
-4900 Ls, gry, m. xln, chert, 20%.
-4910 Sh, gry-drk gry w/ltl ls as above.
-4930 Sh, gry-drk gry, calc.

TOP LOWER ISMAY 4938' Schlum

- 4950 Sh, gry-drk gry; Ltl ls; gry, argill.
-4955 Ls, drk tan, dns, argill & sh, gry-drk gry.

Davis Oil Co., #1 Navajo-Arizona, Sec 33; T42N; R29E, Apache County, Arizona

- 4955-4960 Ls, gry-buff, f. xln.
- 4970 Ls, gry-buff, f. xln w/ltl ss, f.g.-v.f.g.
- 4975 Ls, gry-buff, m. xln.

TOP PARADOX shale 4972' Schlum

- 4980 Sh, blk, sooty.

TOP DESERT CREEK zone 4983' Schlum

- 4990 Ls, wh-buff, f. xln, dns, Ltl sh, blk, sooty.
- 5000 Ls, crm-tan, m. xln.
- 5015 Same.
- 5030 Ls, tan-crm, m. xln.
- 5035 Ls, tan-buff-brn, m. xln, dns, w/ltl sh, blk.
- 5040 Sh, drk gry-blk.
- 5045 Ls, drk tan-brn, f. xln, dns, w/ltl chert.
- 5050 Sh, drk gry w/ltl ls, crm-tan, f. xln.
- 5055 Sh as above w/ltl ls, crm-tan, f. xln.
- 5060 Same.
- 5065 Ls, brn, f. xln-m. xln, foss w/consid chert.
- 5070 Ls, buff-tan, f. xln.
- 5085 Ls, gry-f. xln, dns.
- 5100 Ls, tan-brn, f. xln, dns.
- 5115 Ls, tan-gry, f. xln, argillaceous & sh, gry.
- 5125 Ls, f. xln, buff, sli chalky.
- 5130 Ls, f. xln, crm & sh, gry.
- 4140 Sh, gry-drk gry.
- 5165 Ls, crm-tan, f. xln, some dns, cherty & sh, gry-drk gry.
- 5185 Sh, gry-drk gry w/traces anhy.
- 5195 Sh, gry w/anhy, wh, f. xln.

TOP AKAH zone 5198' Schlum

- 5210 Sh, drk gry-blk w/ltl anhy.
- 5220 Sh, drk gry-blk w/consid anhy.
- 5230 Sh, drk gry-blk.
- 5250 Sh as above; & Ls, buff, f. xln, dns.
- 5285 Same.
- 5290 Sh, gry-drk gry & ls, tan-brn, dolomitic w/ltl anhy.
- 5300 Ls, crm-tan, f. xln, sli suerosic, sli dolo.

TOP BARKER CREEK 5320' Schlum

- 5330 Ls, crm-tan, m. xln-crs xln, dns.
- 5340 Ls, crm-tan, m. xln, sli anhy.
- 5350 Same w/consid chert.
- 5360 Ls, crm-tan, m. xln, sli dolo, sli oil stain, strong oil odor, yell fluor in 20% frags, poor por.
- 5365 Ls, crm-tan, m. xln, sli dolo, sli oil stain, strong oil odor, yell fluor in 50% frags, poor to fair por.
- 5370 Ls, crm-wh, f. xln, chalky. Traces w/por & shcw as above.
- 5385 Sh, gry & ls, crm-tan, f. xln.
- 5400 Ls, gry-buff, m. xln.

Davis Oil Co., #1 Navajo-Arizona, Sec 33; T42N; R29E, Apache County, Arizona

DST RECORD

DST No. 1. 5340-5417' Drlr; 5346-5423' Schlum

Wilson Testers straight test with two top packers and 77'
of anchor. T.D. 5414'.

Opened tool with strong immediate blow. Purged formation 2 minutes.

Took 30 minute initial shutin. Tool open 1 hr. with strong blow.

Took 30 minute final shutin.

Recovered 180' mud sli gas cut & sli cut with black sulphur
water & rainbow of oil.

IHP 2723
FHP 2708

ISIP 1262
FSIP 1068

IFP 44
FFP 89

DST No. 2. 4994-5027' Drlr; 5003-5036' Schlum

Haliburton "off bottom" hook wall test with T.D. 5784' Schlum
and 748' off bottom with 33' between packers.

Opened tool with weak blow. Purged formation 5 minutes.

Took 30 minute initial shutin. Tool open 1 hr with weak blow.

Took 30 minute final shutin.

Recovered 75' water cut mud; 75' salty water.

IHP 2590
FHP 2390

ISI 1880
FSI 1880

IFP 0
FFP 390

Davis Oil Co., #1 Navajo-Arizona, Sec 33; T42N; R29E, Apache County, Arizona

5400-5415 Dolo, crm-tan, m. xln, lt oil stain, strong oil odor, yell fluor
10% frags, fair inter xln por.

DST #1 5340-5417' Drlr; 5346-5423' Schlum

5415-5440 Ls, crm-tan, f. xln, chalky & ltl dolo, crm-tan, m. xln. No por. No show.
-5460 Ls as above & Dolo, crm, m. xln w/ltl inter xln. por. No show.
-5475 Ls, gry-tan, f. xln.
-5480 Ls, drk brn, f. xln, dns & sh, blk; Consid chert.
-5490 Sh, drk gry & ls, f. xln, gry, shly w/consid chert.
-5500 Ls, f. xln, crm, gry, argil & sh, gry.
-5505 Ls, wh-crm, f. xln, chalky.
-5520 Ls, gry, f. xln-m. xln.

TOP PINKERTON TRAIL 5528' Schlum

-5555 Ls, gry-f. xln, dns w/ltl chert.
-5580 Ls, crm-wh, f. xln, dns w/ltl sh, gry-gry grn.
-5600 Ls, crm-wh, f. xln w/ltl sh, gry-gry grn.
-5650 Same.
-5660 Same.
-5700 Ls, wh-f. xln, dns some sli oolitic; Trace choetetes.
-5715 Ls, wh, f. xln, dns w/consid chert.
-5740 Ls, wh, f. xln, dns.
-5745 Same w/consid chert.

TOP MOLAS shale 5750' Schlum

-5755 Sh, gry-grn & sh, maroon to red w/ltl ls as above.
-5765 Sh, gry-grn & sh, red; Traces ls, wh, f. xln.
-5775 Sh as above.

T.D. 5775' Drlr; 5784' Schlum.

DST #2 4994-5027' Drlr; 5003-5036' Schlum

Paul R. Buehler
Paul R. Buehler,
Geologist

Davis Oil Co. #1 Navajo-Arizona, Sec 33, T42N; R29E, Apache County, Arizona

BIT RECORD

1.	Smith	12 1/4"	SV2RT	0- 264'	264'	
1.	"	7 7/8"	D.T.	264- 900'	636'	9 1/2 hrs.
2.	"	"	"	900-1161'	261'	8 1/4
3.	"	"	"	1161-1757'	596'	12 1/2
4.	"	"	DT2G	1757-2228'	456'	13 1/2
5.	HTC	"	OSC-3	2228-2494'	266'	5 1/4
6.	Sec.	"	S-4	2494-2725'	231'	13 1/2
7.	Smith	"	DT2G	2725-2955'	230'	12 1/4
8.	HTC	"	OSC1G	2955-3215'	260'	14 3/4
9.	C.P.	"	ES2G	3215-3491'	286'	16 1/2
10.	Smith	"	DT2G	3491-3706'	215'	14
11.	HTC	"	OSC1G	3706-3794'	180'	6 3/4
12.	Smith	"	K2P	3794-3974'	88'	14
13.	C.P.	"	EMIV	3974-4117'	143'	14 1/4
14.	Smith	"	K2P	4117-4245'	128'	11 1/4
15.	Sec	"	MAN	4245-4338'	93'	10 1/2
16.	Smith	"	K2P	4338-4407'	69'	7 1/2
17.	HTC	"	ONV	4407-4474'	67'	9 1/2
18.	"	"	"	4474-4544'	70'	8 3/4
19.	"	"	OWL	4544-4608'	64'	8 1/4
20.	"	"	W7	4608-4679'	71'	12 1/2
21.	Smith	"	C2	4679-4765'	86'	10 1/2
22.	"	"	T2	4765-4863'	98'	11
23.	"	"	SV2	4863-4881'	18'	4 1/4
24.	HTC	"	OWC	4881-4910'	29'	7 3/4
25.	Smith	"	T2	4910-5013'	103'	13
26.	Smith	"	C2	5013-5039'	26'	5
27.	HTC	"	W7R2	5038-5082'	43'	10 1/4
28.	Sec.	"	H7U	5082-5119'	37'	10 1/2
29.	Smith	"	C4	5119-5197'	78'	13
30.	HTC	"	OWS	5197-5228'	31'	5 1/2
31.	Smith	"	L4	5228-5299'	71'	14 1/2
32.	Smith	"	L4	5299-5377'	78'	14
33.	HTC	"	W7	5377-5417'	40'	6 1/4
34.	C.P.	"	EH7	5417-5468'	51'	7 3/4
35.	Smith	"	C4	5468-5550'	82'	15 3/4
36.	Smith	"	C4	5550-5644'	94'	14 1/4
37.	HTC	"	W7	5644-5694'	50'	9 1/4
38.	C.P.	"	EH1	5694-5711'	17'	6 1/2
39.	HTC	"	W7R2	5711-5775'	64'	14

Davis Oil Co. #1 Navajo-Arizona, Sec 33, T42N; R29E, Apache County, Arizona

CRONOLOGICAL LOG

July 11 Move In.
July 12 Rigging up.
July 13 Rigging up.
July 14 Rigging up. Drill rat hole. Spud @ 7:00 p.m. Drlg 12 $\frac{1}{2}$ " hole 0-91'.
July 15 Drlg 12 $\frac{1}{2}$ " hole 91 to 264'. Drlg 7 7/8" hole 264 to 900' T.D.
July 16 Ran 9 jts. 8 5/8" O.D., 24# JSS csg. total 273' cemented at 262'
K.B. by Haliburton w/150 sxs blk reg. plus 2% CaCl. Good returns.
In place at 2:15 a.m. W.O.C. Pressured up casing w/600#. O.K.
Tag top cement at 226'.
July 17 Drlg 900 to 1559'.
July 18 Drlg 1559 to 2228'.
July 19 Drlg 2228 to 2725'.
July 20 Drlg 2725 to 3032'.
July 21 Drlg 3032 to 3375'.
July 22 Drlg 3375 to 3650'.
July 23 Drlg 3650 to 3838'.
July 24 Drlg 3838 to 3986'.
July 25 Drlg 3986 to 4193'.
July 26 Drlg 4193 to 4338'.
July 27 Drlg 4338 to 4468'. Strap pipe on trip @ 4338'. Apply 12' downhole
correction. 4375 = 4387' corrected.
July 28 Drlg 4468 to 4586'.
July 29 Drlg 4586 to 4679'.
July 30 Drlg 4679 to 4815'.
July 31 Drlg 4815 to 4897'.
Aug 1 Drlg 4897 to 5013'.
Aug 2 Drlg 5013 to 5082'.
Aug 3 Drlg 5082 to 5166'.
Aug 4 Drlg 5166 to 5228'.
Aug 5 Drlg 5228 to 5299'.
Aug 6 Drlg 5299 to 5392'.
Aug 7 Drlg 5392 to 5417'. Circ 1 $\frac{1}{2}$ hrs. Trip out for DST #1. On btm w/test
@ 10:15 a.m. Out of hole w/test tools 2:45 p.m. Drlg 5417 to 5456'.
Aug 8 Drlg 5456 to 5547'.
Aug 9 Drlg 5547 to 5644'.
Aug 10 Drlg 5644 to 5707'.
Aug 11 Drlg 5707 to 5775'. Reached T.D. : 10:00 p.m.
Aug 12 Ran Schlum I.E.S., GR-Sonic & Microlog. Finished logging at 11:00 a.m.
W.O.O. and print field prints until 1:00 p.m. W.O.O. 1:00 p.m. until
3:00 p.m. Ordered out Haliburton for DST #2 at 3:00 p.m.
Aug 13 Finished DST #2 @ 9:00 a.m. Wait on plugging orders until 11:00 a.m.
Commence plugging at 12:00 noon.

Davis Oil So. #1 Navajo-Arizona, Sec 33; T42N; R29E, Apache County, Arizona

MUD RECORD

Date	Depth	Wt	Vis	Gels	Wtr loss	Cake	Sand	P.H.	Salt
7/15	460'								
7/17	1200'								
7/19	2520'	9.9	37	0-6	9	2	1 1/4	8.4	500
7/21	3210'	9.3	36	3-24	19	2 1/2	1/2	11	450
7/23	3680'	9.3	49	3-15	16.2	2	1	10.5	2000
7/24	3850'	9.5	36	2-16	13.4	2	1 1/2	11.3	600
7/25	4115'	9.6	39	2-20	10	2	3/4	11	650
7/27	4407'	9.3	49	2-26	7	2	2/3	12	700
7/29	4614'	9.4	66	4-30	5	1 1/2	3/4	11.5	800
7/31	4872'	9.1	85	5-35	6	2/32	3/4	10.0	700
8/2	5039'	9.6	52	1-10	6.6	1	1/8	11.5	650
8/4	5197'	9.4	70	4-40	8.8	2	1/2	9.5	750
8/6	5358'	9.2	43	5-26	5.6	2	1/4	9.5	800
8/8	5472'	9.3	45	2-20	5.4	2	1/2	10.0	750
8/11	5715'	9.6	50	5-30	6.4	2	3/4	10.0	700

STRAIGHT HOLE SURVEYS

Date	Depth	Degrees
July 15	90'	0
"	150'	0
"	230'	1/4
"	440'	3/4
"	655'	1
"	900'	1 1/4
July 17	1100'	1 1/2
"	1368'	1
July 18	1757'	1
"	2228'	0
July 20	2950'	1
July 21	3210'	2
July 22	3480'	1 1/2
July 23	3706'	3/4
July 24	3974'	3/4
July 26	4240'	1
July 27	4405'	1 1/4
July 31	4860'	3/4

PLUGGING PROCEDURE

1.	5100' up to 4900'	200'	63 sxs	Across Desert Creek
2.	2250' up to 2000'	250'	78 sxs	Across DeChelly
3.	1000' up to 900'	100'	32 sxs	Across Chinle
4.	30' up to 0'	30'	10 sxs	Top 8 5/8" surf csg.

Form 9-331 b
(April 1952)

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R-359.2
Approval expires 12-31-55.

Indian Agency Navajo
Window Rock, Arizona
Allottee _____
Contract No. 14-20-603-223

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)

June 11th, 1962

#1 NAVAJO ARIZONA
Well No. _____ is located 642 ft. from [N] line and 660 ft. from [E] line of sec. 33
R/4 Sec 33 (E2 NE) 42 North, 29 East GREEN
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
WILDCAT APACHE ARIZONA
(Field) (County or Subdivision) (State or Territory)

The elevation of the Ground Level ~~drill site~~ above sea level is 5137.0 ft. ungraded.

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)

- To set approximately 250' of 2 3/8" surface casing or larger, cemented to surface.
- To test the top of the Holms, formation at approximately 660'
- Rotary hole below the show of surface casing will be 7-7/8"
- Good oil field practice will be utilized in determining the necessity or desirability of coring or drill stem testing any oil and gas shows.
- I.S.S. from Base Surface to total depth; Gamma-ray Sonic from the Top of the Hermosa to Total depth and ~~Microlog~~ Microlog from Top of the Hermosa to total depth.
- In the event of commercial production, a 3-1/2" casing will be set through the oil and/or gas zones and cemented with 150 sacks of cement which will displace the cement approximately 1000' behind the pipe.

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 Building
Denver 2, Colorado
By Paul Messinger
Title Exploration Manager

PH:pmc
6-11-62

Copy done

OIL AND GAS CONSERVATION COMMISSION
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 _____ 19

In compliance with Statewide Rule 3, notice is hereby given that it is our intention to commence the work of drilling well No. 1 NAVAJO ARIZONA Sec. 33, Twp. 42 North, Rge. 29 East G&SRM B. & M., WILDCAT Field, APACHE County.

Legal description of lease Fractional Sections 31, 32 & 33 of 42 N, R 29E; and (attach map or plat to scale) Sections 4, 5, & 6 of T41N, R 29E, G&SRM, said lease containing 2377.85 acres, more or less. (see attached plat)

Location of Well: 660' From East line & 642' from South Line of SE/4 Sec. 33-42N-29E (Give exact footage from section corners or other

(East quarter of Sec 33) SE SE Sec. 33-42N-29E legal subdivisions or streets)

Proposed drilling depth 6600' feet. Acres in drilling unit 80.00

Has surety bond been filed? Yes. Is location a regular or exception to spacing rule? regular 80 acres spacing

Elevation of ground above sea level 5137.0' Ground Level feet. (ungraded)

All depth measurements taken from top of Ground level (Derrick, floor, Rotary Table or

which is -0- 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"	25.50	J55	-0-	250'	250'
5-1/2"	14	J55	-0-	6600'	6600'

Intended Zone or Zones of completion:

Name Molas formation, other 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.

(Applicant) Paul Messinger DAVIS OIL COMPANY

Application approved this 14th day of JUNE 19 62

Permit No. 191
3-62 1/10/58

By: Lynn Lockhart Vice Chairman
Oil and Gas Conservation Commission
By: D. A. Jerome

191 11

COMPANY DAVIS OIL COMPANY

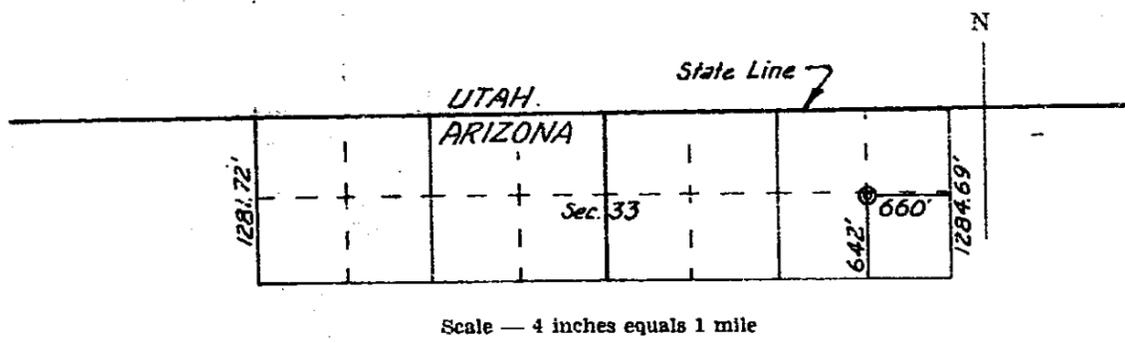
Well Name & No. NAVAJO ARIZONA WELL No. 1 Lease No. _____

Location 642 feet from the SOUTH line and 660 feet from the EAST line.

Being in 6 EAST ONE QUARTER of Sec. 33

Sec. 33, T 42 N., R. 29 E., G & S.R.M. APACHE COUNTY, ARIZONA

Ground Elevation 5137.0 Ungraded.



Surveyed 2 June, 1962

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.



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

SAN JUAN ENGINEERING CO., FARMINGTON, NEW MEXICO

BOND

KNOW ALL MEN BY THESE PRESENTS:

THAT, we DAVIS OIL COMPANY, of the County of Denver, State of Colorado, as Principal,
and FIDELITY AND DEPOSIT COMPANY OF MARYLAND
of BALTIMORE, MD.

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 landsituated within the State, to-wit:

SE/4 SE/4 of Section 33,
Township 42 North, Range 29 East,
of the G. & S.R.M., in
Apache County, Arizona,

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 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, on this the 12th day of June, 1962.

(As to Principal)

DAVIS OIL COMPANY

by Marvin Davis
Marvin Davis, General Partner

WITNESS OUR hands and seals on this the 12th day of June, 1962.

(As to Surety)

FIDELITY AND DEPOSIT COMPANY OF MARYLAND

by Lucille M. Dekker
Lucille M. Dekker, 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:

Date

6-14-62

J. A. Jerome
STATE OF ARIZONA
OIL AND GAS CONSERVATION COMMISSION

CANCELLED

DATE 3-19-63

Cancelled by me 3-19-63

Power of Attorney
FIDELITY AND DEPOSIT COMPANY OF MARYLAND

HOME OFFICE: BALTIMORE, MD.

KNOW ALL MEN BY THESE PRESENTS: That the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, a corporation of the State of Maryland, by WM. H. C. GRIFFITH Vice-President, and JOHN C. GARDNER, Assistant Secretary, in pursuance of authority granted by Article VI, Section 2, of the By-Laws of said Company, which reads as follows:

"The President, or any one of the Executive Vice-Presidents, or any one of the additional Vice-Presidents specially authorized so to do by the Board of Directors or by the Executive Committee, shall have power, by and with the concurrence of the Secretary or any one of the Assistant Secretaries, to appoint Resident Vice-Presidents, Resident Assistant Secretaries and Attorneys-in-Fact as the business of the Company may require, or to authorize any person or persons to execute on behalf of the Company any bonds, undertakings, recognizances, stipulations, policies, contracts, agreements, deeds, and releases and assignments of judgments, decrees, mortgages and instruments in the nature of mortgages, and also all other instruments and documents which the business of the Company may require, and to affix the seal of the Company thereto."

does hereby nominate, constitute and appoint Lucille M. Dekker, of Denver, Colorado

its true and lawful agent and Attorney -in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: any and all bonds and undertakings

And the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Company, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the Company at its office in Baltimore, Maryland, in their own proper persons.

The said Assistant Secretary does hereby certify that the foregoing is a true copy of Article VI, Section 2, of the By-Laws of said Company, and is now in force.

IN WITNESS WHEREOF, the said Vice-President and Assistant Secretary have hereunto subscribed their names and affixed the Corporate Seal of the said FIDELITY AND DEPOSIT COMPANY OF MARYLAND, this 8th day of December, A.D. 1959.

ATTEST: **FIDELITY AND DEPOSIT COMPANY OF MARYLAND**

(SIGNED) JOHN C. GARDNER By WM. H. C. GRIFFITH
(SEAL) Assistant Secretary Vice-President

STATE OF MARYLAND }
CITY OF BALTIMORE } ss:

On this 8th day of December, A.D. 1959, before the subscriber, a Notary Public of the State of Maryland, in and for the City of Baltimore, duly commissioned and qualified, came the above-named Vice-President and Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and they each acknowledged the execution of the same, and being by me duly sworn, severally and each for himself depose and saith, that they are the said officers of the Company aforesaid, and that the seal affixed to the preceding instrument is the Corporate Seal of said Company, and that the said Corporate Seal and their signatures as such officers were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal, at the City of Baltimore, the day and year first above written.

(SIGNED) BEVERLY M. FERTIG
(SEAL) Notary Public Commission Expires May 1, 1961

CERTIFICATE

I, John C. Gardner, Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the attached Power of Attorney dated December 8th, 1959, in behalf of Lucille M. Dekker of Denver, Colorado, is a true and correct copy and that same has been in full force and effect since the date thereof and is in full force and effect on the date of this certificate; and I do further certify that the said WM. H. C. GRIFFITH and JOHN C. GARDNER, who executed the attached Power of Attorney as Vice-President and Assistant Secretary respectively, were on the date of the execution of the attached Power of Attorney the duly elected Vice-President and Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, and that the said WM. H. C. GRIFFITH was one of the additional Vice-Presidents specially authorized by the Board of Directors to appoint any Attorney-in-Fact or to authorize any person or persons to execute on behalf of the Company any bonds, recognizances, stipulations, undertakings, deeds, releases of mortgages, contracts, agreements and policies, and to affix the seal of the Company thereto as provided in said Article VI, Section 2 of the By-Laws of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the said Company, this 12th day of June, 1962.

DAVIS OIL COMPANY

OIL
PRODUCERS

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

511 - 5TH AVENUE
NEW YORK 17, N. Y.
CASPER, WYOMING

7 August 1964

Arizona Oil & Gas Conservation Commission
Capitol Annex, Room 202
1624 West Adams Street
Phoenix, Arizona

Attention: Mr. Bill Cooper

RE: #1 Navajo
SE SE Section 33
T 42 N, R 29 E
Apache Co., Arizona

Gentlemen:

Pursuant to your letter of August 6, 1964, enclosed please find for your files, the Well Completion or Recompletion Report and Well Log along with a copy of the Geological Report on the above captioned well.

Very truly yours,

DAVIS OIL COMPANY

E. L. Karn, Jr.
E. L. Karn, Jr.
Production Manager

elk/sm



STATE of ARIZONA
OIL and GAS CONSERVATION COMMISSION
CAPITOL ANNEX
ROOM 202
1624 WEST ADAMS STREET
PHOENIX, ARIZONA

COMPANY Davis Oil Company DATE 8-5-1964
RE: WELL NAME & NUMBER: Navajo #1
LOCATION: SECTION 33 TWP. 42N R. 29E COUNTY Apache
FILE NUMBER 191

Gentlemen:

We have reviewed our files and find that we need the below checked item (s) in order to complete same. Will you please fill in the enclosed form (s), at your earliest convenience, and return them to this office. May we remind you that your bond (# XXXXXXXXXXXXXXXXXX,

issued by Not Applicable) can be forfeited for failure to comply.

In addition we request a copy of any log run on this (these) well. (s). XXXXXX

Your cooperation is appreciated. If we may be of service to you please advise.

Yours very truly,

Bill Cooper

Bill Cooper
Records Section

Completion Record

Plugging Record

Well Log
cc/Bonding Company

Application to plug and abandon

191

March 19, 1963

Mr. E. L. Karn, Jr., Production Manager
Davis Oil Company
1020 Midland Savings Building
Denver 2, Colorado

Re: Navajo-Arizona #1 - Sec. 33, T42N, R29E,
Apache County, Arizona

Dear Mr. Karn:

Upon inspecting the above well site and reviewing your plugging record, it has been decided that you have satisfied all the commission's rules and regulations regarding your bond release.

This involves the bond issued by the Fidelity and Deposit Company of Maryland dated June 12, 1962.

Hoping you will drill again soon, I am

Sincerely,

John K. Petty
Petroleum Geologist

JKP:hme

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

January 31, 1963

Mr. N. A. Ludewick
Executive Secretary
Oil and Gas Conservation Commission
State of Arizona
Room 202
1624 West Adams
Phoenix 7, Arizona

Re: Navajo - Arizona #1
Section 33, T 42 N, R 29 E.
Apache County, Arizona

Dear Mr. Ludewick:

With reference to your letter of January 24, 1963, we are enclosing the completed forms on Application to Abandon and Plug and Plugging Record, which you requested on the above captioned well.

Very truly yours,

DAVIS OIL COMPANY

E. L. Karn, Jr.
E. L. Karn, Jr.
Production Manager

ELK:mld
Enclosures



*E. L. Karn Jr. Prod. Mgr.
Davis Oil Co*

Re -

Dear Mr. Karn:

Upon inspecting above well site and reviewing your plugging record it has been decided that you have satisfied all the Commission's rules and regulations regarding Bond release.

This includes Bond #

*Hoping you will drill again soon I am
Sincerely,
John P. Pelt*

January 24, 1963

Davis Oil Company
1020 Midland Savings Building
Denver 2, Colorado

Re: Navajo-Arizona #1 - Sec. 33, T42N, R29E,
Apache County, Arizona

Gentlemen:

We are enclosing proper forms for your use in furnishing us completion data and plugging data on the captioned well. An execution of these forms is mandatory under the regulations of this commission.

We will appreciate the early receipt of these completed forms.

Yours very truly,

N. A. Ludewick
Executive Secretary

NAL:hms
encs

June 14, 1962

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

Re: Davis Oil Co. #1 Navajo Arizona - SE SE Sec. 33,
42N, 29E, GSRM, Apache County, Arizona

Dear Mr. Messinger:

We are enclosing for your files an approved copy of your application to drill the above test together with a copy of your plat and of your bond, and the receipt for your \$25.00 permit fee.

We wish you the best of success in this venture and if we may help in any way, please do not hesitate to call upon us.

Since you used our old forms, we are including in this letter two copies of our new rules and regulations as well as a few of our new forms for use with these new regulations.

Yours very truly,

D. A. Jerome
Executive Secretary

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

June 11th, 1962

Oil & Gas Conservation Commission
State of Arizona
3500 North Central - Suite 221
Phoenix 12, Arizona

RE: DAVIS OIL CO. #1 NAVAJO ARIZONA
SE SE, Sec. 33-42N-29E, GSRM
Apache County, Arizona

Gentlemen:

In connection with our proposed test at the captioned location, we enclose herewith for your information and approval, original and 2 copies of Notice of Intention to Drill New Well, 3 copies of Staking Plat, original and 2 copies of Required Bond for compliance with A.R.S. 27-516, and one copy of acreage plat showing location and extent to drill site acreage. For your information we have also enclosed a copy of the Notice of Intent sent to the U.S.G.S. at Window Rock, Arizona, together with our \$25.00 location fee.

Yours very truly,

DAVIS OIL COMPANY.

Paul Messinger
Paul Messinger
Exploration Manager

PM:pme
encls.