

**CONFIDENTIAL**

Release Date \_\_\_\_\_

**CONFIDENTIAL**

Release Date \_\_\_\_\_

Duval Corp. Well No. 53 <sup>8264</sup>  
SE/NE Sec. 18-T-18-R26E Apache Co

COUNTY Apache AREA Navajo Springs LEASE NO. Permit No. 32594 State Prospecting

WELL NAME Duval Corporation Well No. 53 State

LOCATION SE/NE SEC 18 TWP 18N RANGE 26E FOOTAGE 2041 FNL & 967.4 FEL

ELEV 5548 GR KB SPUD DATE 6-23-76 STATUS PEA TOTAL DEPTH 1265

CONTRACTOR Boyles Bros. *1/ 5580 7.5' Ninamite Sec tops*

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY
<u>7"</u>	<u>575'</u>			<input type="checkbox"/>
<u>5 7/16"</u>	<u>1125'</u>	<u>100SK2</u>		<input type="checkbox"/>
				DRILLED BY CABLE TOOL <input type="checkbox"/>
				PRODUCTIVE RESERVOIR <input type="checkbox"/>
				INITIAL PRODUCTION <input type="checkbox"/>

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
<u>MEEN Kapi</u>	<u>582</u>			
<u>COCONINO</u>	<u>698</u>			
<u>Supai</u>	<u>1030</u>			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG <input checked="" type="checkbox"/>
<u>Gamma Ray</u>			SAMPLE DESCRP.
<u>Neutron</u>			SAMPLE NO. <u>1772</u>
			CORE ANALYSIS
			DSTs

REMARKS	APP. TO PLUG <input checked="" type="checkbox"/>
	PLUGGING REP. <input checked="" type="checkbox"/>
	COMP. REPORT <input checked="" type="checkbox"/>

WATER WELL ACCEPTED BY \_\_\_\_\_

BOND CO. Federal Ins. Co. filed in P/A 675 BOND NO. 80605375  
 BOND AMT. \$ 25,000 CANCELLED  DATE 5-23-74  
 FILING RECEIPT 0675 LOC. PLAT  WELL BOOK  PLAT BOOK   
 API NO. 02-001-20220 DATE ISSUED 6-21-76 ORGANIZATION REPORT  DEDICATION NA Strat Test

PERMIT NUMBER 664

**CONFIDENTIAL**  
 Release Date 10-7-77

### 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 <b>DUVAL CORPORATION</b>		Address 4715 E. Fort Lowell Rd., Tucson, Az. 85712	
Federal, State or Indian Lease Number or name of lessor if fee lease State Prospecting Permit #32594		Well Number 53	Field & Reservoir
Location 2041' FNL, 967.4' FEL		County Apache	
Sec. TWP-Range or Block & Survey Sec. 18, T18N, R26E			
Date spudded 6/23/76	Date total depth reached 10/2/76	Date completed, ready to produce	Elevation (DT, RMB, BT or Gr) feet 5548
Total depth 1265	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		Rotary tools used (interval) 0 - 1265'	Cable tools used (interval)
Was this well directionally drilled? No	Was directional survey made? No	Was copy of directional survey filed?	Date filed
Type of electrical or other logs run (check logs filed with the commission) GRN			Date filed 11/15/76

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
Protective	8-3/4"	7"	14.00	575	-	-
Protective	6-1/2"	5-9/16"	10.76	1125	100	650

TUBING RECORD

LINER RECORD

Size in.	Depth set ft.	Packer set at ft.	Size in.	Top ft.	Bottom ft.	Sacks cement	Screen (ft.)

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval

INITIAL PRODUCTION

Date of first production		Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump):				
Date of test	Hrs. tested	Choke size	Oil prod. during test bbls.	Gas prod. during test MCF	Water prod. during test bbls.	Oil gravity ° API (Corr)
Tubing pressure	Casing pressure	Cal'ed rate of Pro-duction per 24 hrs.	Oil bbls.	Gas MCF	Water bbls.	Gas-oil ratio

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 Advanced Geological Engineer of the Duval Corp. (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 11/15/76 RECEIVED Red P. K... Signature

NOV 16 1976  
D & G CONS. COMM.

Permit No. 664

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*
Chinle	0	582	Claystone & Siltstone: variously colored, local sandstone or conglomerate beds.
Moenkopi	582	698	Siltstone: brown, locally gray
Coconino	698	1030	Sandstone: light tan; v.f.g. - m.g.; well sorted, rounded.
Supai	1030	1265	Mudstone: red-brown with some sandstone beds; some anhydrite; mostly halite with minor mudstone and anhydrite below 1125 ft.

note: core samples below 1140 ft.  
see to 1271

\* 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 driller's 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.

PLUGGING RECORD

Operator <b>DUVAL CORPORATION</b>		Address <b>4715 E. Fort Lowell Rd., Tucson, Az. 85712</b>			
Federal, State, or Indian Lease Number. or lessor's name if fee lease. <b>#32594 State Prospecting Permit</b>		Well No. <b>53</b>	Field & Reservoir		
Location of Well <b>2041' FNL, 967.4' FEL, Sec. 18, T18N, R26E</b>		Sec-Twp-Rge or Block & Survey	County <b>Apache</b>		
Application to drill this well was filed in name of <b>Duval Corporation</b>	Has this well ever produced GEOTHERMAL RESOURCES? <b>no</b>	Date plugged: <b>October 3, 1976</b>	Total depth <b>1272</b>		
NAME OF EACH FORMATION CONTAINING GEOTHERMAL RESOURCES. INDICATE WHICH FORMATION OPEN TO WELL-BORE AT TIME OF PLUGGING	DEPTH INTERVAL OF EACH FORMATION	SIZE, KIND & DEPTH OF PLUGS USED INDICATE ZONES SQUEEZE CEMENTED, GIVING AMOUNT CEMENT			
<b>Chinle</b>	<b>0 - 594</b>	<b>Cement Plugs</b>			
<b>Moenkopi</b>	<b>594 - 698</b>	<b>0 - 20' - 16 sacks</b>			
<b>Coconino</b>	<b>698 - 1011</b>	<b>500 - 750' - 45 sacks</b>			
<b>Supai</b>	<b>1011 - 1272</b>	<b>1075 - 1125' - 8 sacks</b>			
<b>CASING RECORD</b>					
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
<b>7"</b>	<b>575'</b>	<b>0</b>	<b>575'</b>		
<b>5-9/16"</b>	<b>1125'</b>	<b>650'</b>	<b>575'</b>	<b>Shot</b>	<b>Set by 100 sacks B w/2% CaCl squeeze</b>
Was well filled with mud-laden fluid, according to regulations? <b>Yes</b>			Indicate deepest formation containing fresh water. <b>Unknown</b>		
<b>NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE</b>					
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.					
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <u>Advanced Geological Engineer</u> of the <u>Duval Corporation</u> (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	<u>October 11, 1976</u>		Signature <u>N. P. Krier</u>		
<b>RECEIVED</b>			STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION		
<b>OCT 14 1976</b>			Plugging Record File One Copy		
<b>O &amp; G CONS. COMM.</b>			FORM NO. 8-10		
Permit No. <u>664</u>					

**APPLICATION TO ABANDON AND PLUG**

FIELD \_\_\_\_\_

OPERATOR DUVAL CORPORATION ADDRESS 4715 East Fort Lowell, Tucson, AZ 85712  
 Federal, State, or Indian Lease Number \_\_\_\_\_ State Prospecting Permit #32594 WELL NO. 53  
 or Lessor's Name if Fee Lease \_\_\_\_\_

LOCATION 2041' FNL, 967.4' FEL, Sec. 18, T18N, R26E, Apache County

TYPE OF WELL Stratigraphic Test TOTAL DEPTH 1270'  
(Oil, Gas or Dry Hole)

ALLOWABLE (If Assigned) \_\_\_\_\_

LAST PRODUCTION TEST OIL \_\_\_\_\_ (Bbls.) WATER \_\_\_\_\_ (Bbls.)  
 GAS \_\_\_\_\_ (MCF) DATE OF TEST \_\_\_\_\_

PRODUCING HORIZON \_\_\_\_\_ PRODUCING FROM \_\_\_\_\_ TO \_\_\_\_\_

**1. COMPLETE CASING RECORD**

0 - 575' - 7"  
 0 - 1125' - 5 9/16" cemented w/100 sack API class B cement by Haliburton

**2. FULL DETAILS OF PROPOSED PLAN OF WORK**

shoot off and pull 650' of 5 9/16" casing  
 set cement plugs at: 0 - 20'  
 500 - 750'  
 975 - 1125'

RECEIVED

OCT 5 1976  
 O & G CONS. COMM.

DATE COMMENCING OPERATIONS October 3, 1976

NAME OF PERSON DOING WORK Haliburton Services ADDRESS Farmington, New Mexico

*Ned P. Kruer*  
Signature

Advanced Geological Engineer  
Title

5357 East Pima, Tucson, Arizona 85712  
Address

October 4, 1976  
Date

Date Approved \_\_\_\_\_

**STATE OF ARIZONA  
 OIL & GAS CONSERVATION COMMISSION**

By: \_\_\_\_\_

**STATE OF ARIZONA  
 OIL & GAS CONSERVATION COMMISSION**  
 Application to Abandon and Plug  
 File Two Copies

Form No. 9

Permit No. 664

**SUNDRY NOTICES AND REPORTS ON WELLS**

1. Name of Operator DUVAL CORPORATION

2. OIL WELL  GAS WELL  OTHER  (Specify) STRATIGRAPHIC TEST

3. Well Name DUVAL 53 STATE

Location 2041 FNL 967.4 FEL

Sec. 18 Twp. 18N Rge. 26E County APACHE Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease: STATE PROSPECTING PERMIT NO. 32594

5. Field or Pool Name \_\_\_\_\_

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <u>WEEKLY PROGRESS</u>	ABANDONMENT <input type="checkbox"/>
(OTHER) _____			<input checked="" type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

9/26/76 CONTACTED SUPAI FORMATION AT 1050'

9/28/76 SET 5 1/2" CASING TO 1125' AND CEMENTED BASE.

9/30/76 CORING

10/1/76 PRESENTLY CORING AT 1181' AT 9:00 PM

10/2/76 COMPLETE CORING AT 1271'

10/3/76 PREPARING TO CEMENT

**RECEIVED**

OCT 5 1976  
O & G CONS. COMM.

8. I hereby certify that the foregoing is true and correct.

Signed Chapman J. Galt Title GEOLOGIST Date 10/3/76

Permit No. 664

STATE OF ARIZONA  
OIL & GAS CONSERVATION COMMISSION  
Sundry Notices and Reports On Wells  
File Two Copies  
Form No. 28

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator DUVAL CORPORATION  
 2. Oil Well  GAS Well  OTHER  (Specify) \_\_\_\_\_  
 3. Well Name DUVAL CORPORATION 53 STATE  
 Location \_\_\_\_\_  
 Sec. 18 Twp. T18N Rgn. R26E County APACHE Arizona.  
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease \_\_\_\_\_  
 5. Field or Pool Name \_\_\_\_\_

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:			SUBSEQUENT REPORT OF:				
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>	MONTHLY PROGRESS	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	DIRECTIONAL DRILL	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	PERFORATE CASING	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>	(OTHER) <u>WEEKLY PROGRESS</u>	<input checked="" type="checkbox"/>	ABANDONMENT	<input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

REENTERED TO DEEPEN ON SEPTEMBER 24<sup>th</sup>.  
 THE HOLE WAS ORIGINALLY SPUDDED JUNE 20<sup>th</sup> (575')  
 WE REENTERED IN THE MOENKOPI FORMATION AND CONTACTED  
 THE COCONINO FORMATION AT 720'.  
 WE EXPECT TO SET CASING INTO THE SUPAI AT APPROX. 1120'  
 ON SUNDAY THE 26<sup>th</sup>.

RECEIVED

OCT 4 1976

O & G CONS. COMM.

8. I hereby certify that the foregoing is true and correct.

Signed Christopher J. Johnson Title GEOLOGIST Date 9/25/76

Permit No. 664

STATE OF ARIZONA  
 OIL & GAS CONSERVATION COMMISSION  
 Sundry Notices and Reports On Wells  
 File Two Copies  
 Form No. 25

RECEIVED

JUL 6 1976

O & G CONS. COMM.

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator DUVAL CORPORATION

2. OIL WELL  GAS WELL  OTHER  (Specify) STRATIGRAPHIC TEST

3. Well Name DUVAL 53 - STATE

Location 2041 FNL 967.4 FEL

Sec. 18 Twp. 18 N Rge. 26 E County APACHE Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease STATE PROSPECT WGS PERMIT NO. 32594

5. Field or Pool Name

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <u>WEEKLY</u>	ABANDONMENT <input type="checkbox"/>
(OTHER) <input type="checkbox"/>		(OTHER) <u>PROGRESS</u>	<input checked="" type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

HOLE COMPLETED AT 575' ON JUNE 26th. HOLE will be deepened at a later date.

(0-560) approx. chinite formation  
(560-575) Moenkopi formation

7" casing was set 0-575 - no cement

8. I hereby certify that the foregoing is true and correct.

Signed Charles L. Jett Title Geologist Date 7/2/76

Permit No. 664

STATE OF ARIZONA  
OIL & GAS CONSERVATION COMMISSION  
Sundry Notices and Reports On Wells  
File Two Copies  
Form No. 25

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Duval Corporation  
 2. OIL WELL  GAS WELL  OTHER  (Specify) Stratigraphic Test  
 3. Well Name Duval Corporation Well #53  
 Location 2141' FNE, 967.9' FEL  
 Sec. 18 Twp 18N Rge 26E County Apache Arizona.  
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease.  
State Protecting Permit # 32594

5. Field or Pool Name \_\_\_\_\_  
 6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <u>Weekly Progress</u> <input checked="" type="checkbox"/>	ABANDONMENT <input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Hole spudded 6/23/76  
 expect to set approximately 600 ft. of 7" casing into Moenkopi Fm.

RECEIVED  
 JUN 28 1976  
 O & G CONS. COMM.

8. I hereby certify that the foregoing is true and correct.  
 Signed Ned P. Krue Title Advanced Geological Engineer Date 6/25/76

Permit No. 664

STATE OF ARIZONA  
 OIL & GAS CONSERVATION COMMISSION  
 Sundry Notices and Reports On Wells  
 File Two Copies  
 Form No. 23

## APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

APPLICATION TO DRILL

RE-ENTER OLD WELL

DUVAL CORPORATION  
NAME OF COMPANY OR OPERATOR

4715 East Fort Lowell Road, Tucson, Arizona 85712  
Address City State

Harness Drilling Company Boyles Bros. Drilling Co.  
Drilling Contractor  
Box 17526, Tucson, Arizona 85731 1624 Pioneer Road, Salt Lake City, Utah  
Address 84110

### DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number, or if fee lease, name of lessor		Well number	Elevation (ground)
State Prospecting Permit #32594		53	5548
Nearest distance from proposed location to property or lease line:		Distance from proposed location to nearest drilling completed or applied-for well on the same lease:	
967.4 feet		4060 feet	
Number of acres in lease:		Number of wells on lease, including this well, completed in or drilling to this reservoir:	
632		NA	
If lease, purchased with one or more wells drilled, from whom purchased:		Name Address	
NA			
Well location (give footage from section lines)	Section—township—range or block and survey	Dedication (Comply with Rule 105)	
2041' FNL, 967.4' FEL	Section 18, T18N, R26E	NA	
Field and reservoir (if wildcat, so state)		County	
		Apache	
Distance, in miles, and direction from nearest town or post office			
12 miles SSW from Navajo, Arizona			
Proposed depth:	Rotary or cable tools	Approx. date work will start	
1250 ft.	Rotary	July 1, 1976	
Bond Status	Organization Report	Filing Fee of \$25.00	
Amount \$25,000	On file <input checked="" type="checkbox"/> Or attached	Attached <input checked="" type="checkbox"/>	

Remarks:

CONFIDENTIAL

Release Date \_\_\_\_\_

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Vice-President of the Minerals Acquisition of the Duval Corporation (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.

*B.G. Messer*  
Signature B.G. Messer

June 17, 1976  
Date

Permit Number: \_\_\_\_\_  
Approval Date: \_\_\_\_\_  
Approved By: \_\_\_\_\_

Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

STATE OF ARIZONA  
OIL & GAS CONSERVATION COMMISSION  
Application to Drill or Re-enter  
File Two Copies

Form No. 3

(Complete Reverse Side)

- Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
- A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
- All distances shown on the plat must be from the outer boundaries of the Section.
- Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES \_\_\_\_\_ NO X-State
- If the answer to question four is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES \_\_\_\_\_ NO \_\_\_\_\_ If answer is "yes," Type of Consolidation NA
- If the answer to question four is "no," list all the owners and their respective interests below:

Owner <b>State of Arizona</b>	Land Description <b>Section 18, T18N, R26E</b>
<b>Surface and Minerals</b>	

	<p style="text-align: center;"><b>CERTIFICATION</b></p> <p>I hereby certify that the information above is true and complete to the best of my knowledge and belief.</p> <p style="text-align: center;"><i>B.G. Messer</i></p> <p>Name <b>B.G. Messer</b></p> <p>Position <b>Vice-President, Minerals</b></p> <p>Company <b>Acquisition Duval Corporation</b></p> <p>Date <b>June 17, 1976</b></p> <p>I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</p> <p style="text-align: center;">See attached plat.</p> <p>Date Surveyed <b>October, 1974</b></p> <p>Registered Professional Engineer and/or Land Surveyor  <b>Sam Lee Kuder</b></p> <p>Certificate No. <b>9430</b></p>
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**PROPOSED CASING PROGRAM**

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
6 5/8	17	F-25	0	600	--	--
4 1/2	9.5	H-40	0	1100	1000-1110	10



## PERMIT TO DRILL

This constitutes the permission and authority from the  
OIL AND GAS CONSERVATION COMMISSION,  
STATE OF ARIZONA,

To: DUVAL CORPORATION  
(OPERATOR)

to drill a well to be known as

DUVAL CORPORATION WELL NO. 53  
(WELL NAME)

located 2041' FNL - 967.4 FEL

Section 18 Township 18N Range 26E, Apache County, Arizona.

The NA of said  
Section, Township and Range is dedicated to this well.

Said well is to be drilled substantially as outlined in the attached Application and must be drilled  
in full compliance with all applicable laws, statutes, rules and regulations of the State of Arizona.

Issued this 21st day of June, 1976.

OIL AND GAS CONSERVATION COMMISSION

By [Signature]  
EXECUTIVE SECRETARY

PERMIT N<sup>o</sup> 664

RECEIPT NO. 0675  
API NO. 02-001-20220

State of Arizona  
Oil & Gas Conservation Commission  
Permit to Drill

FORM NO. 27

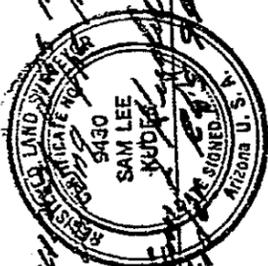
SAMPLES ARE REQUIRED

Location Map for Well Site "F" located in the NE 1/4 of Sec. 18, T18N, R26E, G4 S.R.B. & M in Apache County, Arizona

Surveyors Note, Horizontal location of well was located in ref. to the NE Cor. of Sec. 5, Bearings are based on the east line of Sec. 5,  $500^{\circ}47'W$ , Elevs. are to within  $\pm 5'$

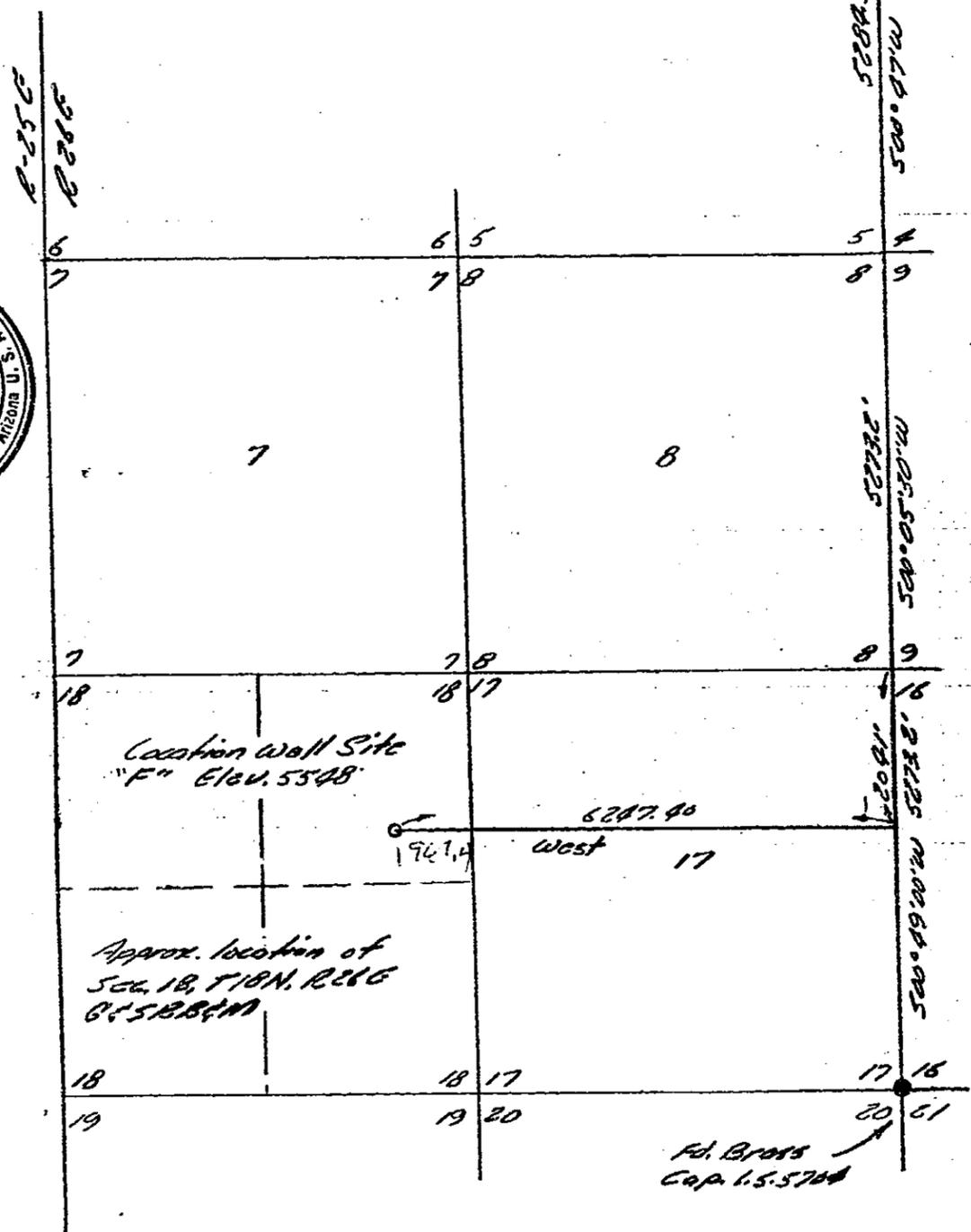
T19N 32 33  
T18N 51 4  
Pd. Brass  
Cap. 1.5.5708

NO. 10025-1-21025



Surveyors Certificate  
This is to certify that this survey was made by me or under my direction of Oct. 1974

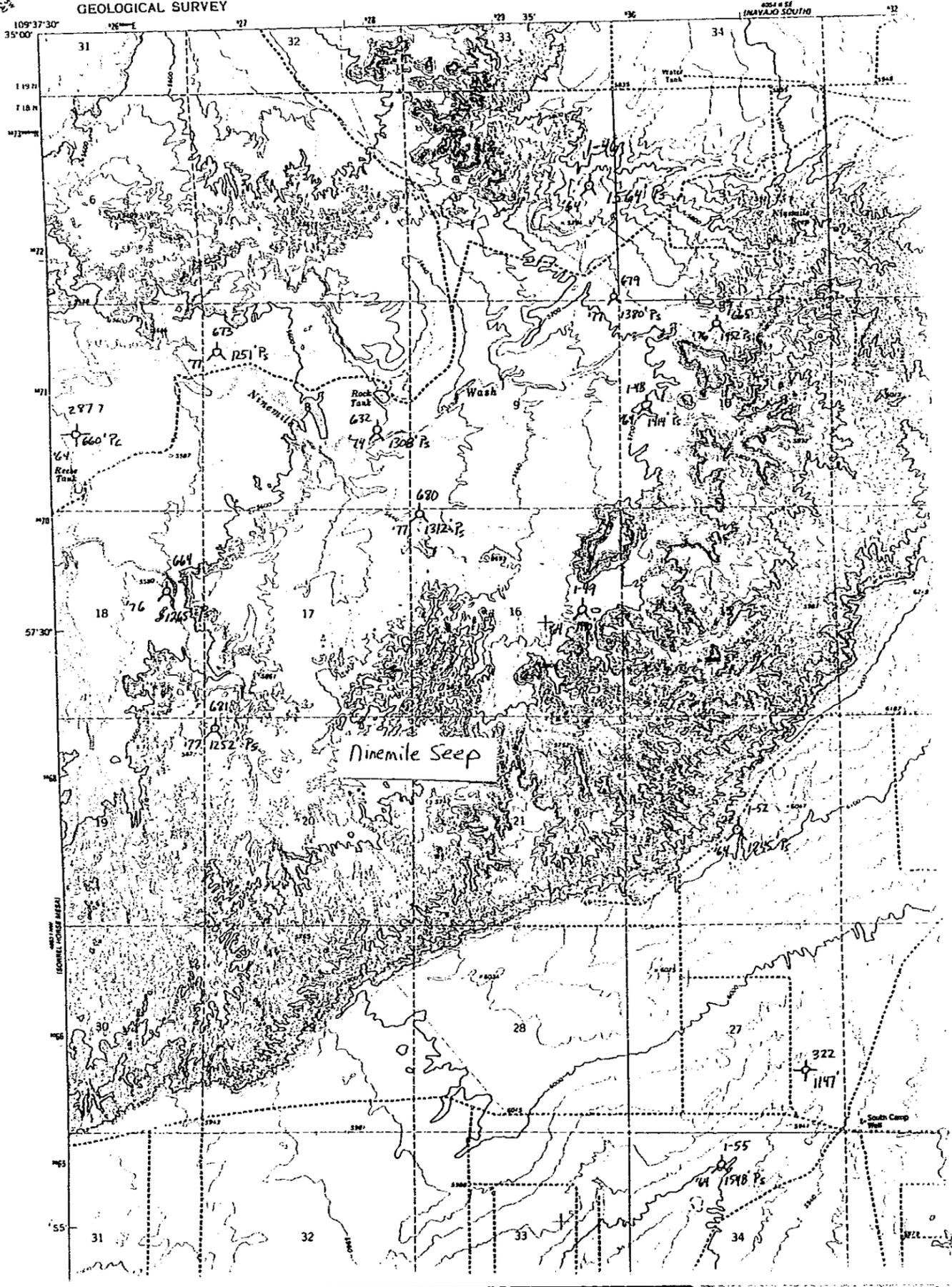
JAM Lee Registered Professional Surveyor No. 5430



Big Valley subdivision

Pd. Brass  
Cap. 1.5.5708

DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY





OFFICE OF  
**Oil and Gas Conservation Commission**  
STATE OF ARIZONA

[REDACTED]  
PHONE: (602) 271-5161

8686 N. CENTRAL, SUITE 105  
PHOENIX, ARIZONA 85020

June 21, 1976

Mr. B. G. Messer  
Duval Corporation  
4715 E. <sup>Folk</sup> Lowell Road  
Tucson, Arizona 85712

Re: Duval Corporation Well No. 53  
SE/NESec. 18, T18N, R26E  
Apache County Permit No. 664

Dear Mr. Messer:

Enclosed please find Receipt No. 0675 Covering your \$25.00 filing fee.  
Also enclosed is your approved Application to Drill and Permit to  
Drill No. 664.

Very truly yours,

W. E. Allen, Director  
Enforcement Section

Encs.





4715 EAST FORT LOWELL ROAD TUCSON ARIZONA 85712

June 18, 1976

Mr. W. E. Allen, Director  
Enforcement Section  
Oil and Gas Conservation Commission  
State of Arizona  
8686 North Central Avenue, Suite 106  
Phoenix, Arizona 85020

Dear Mr. Allen:

Enclosed is an application for Permit to Drill the following core test in Apache County:

Duval Hole No. 53  
Located in the SE $\frac{1}{4}$ NE $\frac{1}{4}$ ,  
Section 18, T18N, R26E.

This drill hole is in the same location as that given on a previous Permit to Drill No. 638 because we never drilled the hole at that time. Two drilling companies are listed on the Permit, however, due to delay in obtaining a new rig Boyles Bros. will probably be the driller.

Also enclosed is our check in the amount of \$25.00 covering the filing fee for the above permit application.

Yours very truly,

DUVAL CORPORATION

by: *B. G. Messer*  
B. G. Messer  
Vice President-Minerals Acquisition

BGM:rg  
Enclosure

cc: E. S. Montgomery