

PW

**CONFIDENTIAL**

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



DUVAL CORPORATION WELL NO. 5657A75  
SE/SE Sec 2-T16N-R18E, Navajo Co. 649

COUNTY Navajo AREA 11mi SSW Joseph City LEASE NO. State Prospecting Permit #32093

WELL NAME DUVAL CORPORATION WELL NO. 56 *State*  
 LOCATION SE/SE SEC 2 TWP 16N RANGE 18E FOOTAGE 974' FSL - 1021' FEL  
 ELEV 5462' GR KB SPUD DATE 6-6-75 STATUS PEA TOTAL DEPTH 1017'  
 COMP. DATE 6-16-75  
 CONTRACTOR Whatley Drilling Co., Tucson

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY
<u>8 5/8</u>	<u>8'</u>	<u>2 SKS</u>	<u>NA</u>	<u>X</u>
<u>5 9/16</u>	<u>914'</u>	<u>6 SKS</u>		
				DRILLED BY CABLE TOOL _____
				PRODUCTIVE RESERVOIR _____
				INITIAL PRODUCTION <u>Strat</u>

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
<u>Sand</u>	<u>0'</u>		<u>X</u>	
<u>Coconino</u>	<u>3'</u>			
<u>Supai</u>	<u>754'</u>			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG
<u>GRN</u>	<u>NA</u>	<u>NA</u>	<u> </u>
			SAMPLE DESCRP. _____
			SAMPLE NO. _____
			CORE ANALYSIS <u>Describe</u>
			DSTs _____
			Core samples are stored at Bureau of Mines, Tucson

REMARKS Samples rec'd 3-10-76

APP. TO PLUG \_\_\_\_\_  
 PLUGGING REP. X  
 COMP. REPORT X

WATER WELL ACCEPTED BY Roy Reidhead, Show Low, AZ

BOND CO. Federal Insurance Company *filed in P/16/75* BOND NO. 80605375  
 DATE \_\_\_\_\_ ORGANIZATION REPORT 523-74

BOND AMT. \$ 25,000 CANCELLED \_\_\_\_\_  
 FILING RECEIPT 0379 LOC. PLAT X WELL BOOK X PLAT BOOK X  
 API NO. 02-017-20011 DATE ISSUED 6-6-75 DEDICATION NA

PERMIT NUMBER 649  
*original water*

**CONFIDENTIAL**

(over) Release Date \_\_\_\_\_



**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 Duval Corporation		Address 4715 E. Ft. Lowell Rd., Tucson, Az. 85712	
Federal, State or Indian Lease Number or name of lessor if fee lease State Prospecting Permit #32093		Well Number 56	Field & Reservoir
Location 974' FSL, 1021' FEL		County Navajo	
Sec. TWP-Range or Block & Survey Sec. 2, T16N, R18E			
Date spudded 6/6/75	Date total depth reached 6/15/75	Date completed, ready to produce	Elevation (DF, RCB, RT or <u>Gr</u> ) 5462 feet
Total depth 1017 ft.	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 - 1017	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 7/15/75

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	10"	8-5/8"	14.11	8 ft.	2	0
Protective	6-3/4" & 6 1/4"	5-9/16"	10.76	914 ft.	6	0

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 Production 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 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.

Date 7/15/75      Signature Ned P. Krier

**RECEIVED**

JUL 18 1975

O & G CONS. COMM.

STATE OF ARIZONA  
OIL & GAS CONSERVATION COMMISSION  
Well Completion or Recompletion Report and Well Log  
File One Copy

Form No. 4

Permit No. 649

(Complete Reverse Side)

**DETAIL OF FORMATIONS PENETRATED**

Formation	Top	Bottom	Description*
Sand	0	3'	Loose Sand
Coconino	3'	754'	Sandstone: white, red brown at depth, fg-mg, rounded, well sorted.
Supai	754'	1017' TD	Mudstone & minor sandstone: red brown; mudstone, anhydrite, halite & dolomite below 914 ft.

Note: Core samples from 914 ft. to 1017 ft.

\* Show all important zones of permeability, 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.

DESCRIPTION OF CORE

Duval #56  
974' FSL, 1021' FEL  
Sec. 2, T16N, R18E  
Navajo County

914 - 932 anhydritic mudstone  
932 - 941 anhydrite  
941 - 950 dolomitic clay and dolomite  
950 - 954 siltstone  
954 - 963 muddy anhydrite  
963 - 990 halitic mudstone and muddy halite, anhydritic  
990 - 994 halite  
994 - 999 anhydritic, halitic mudstone  
999 - 1002 dirty halite  
1002 - 1014 anhydritic mudstone  
1014 - 1017 muddy halite  
  
1017 T.D.

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MAR 15 1957  
O & G CONS. COMM.

WVA

PLUGGING RECORD

Operator <b>Duval Corporation</b>		Address <b>4715 E. Ft. Lowell Rd., Tucson, Az. 85712</b>	
Federal, State, or Indian Lease Number, or lessor's name if fee lease. <b>State Prospecting Permit #32093</b>		Well No. <b>56</b>	Field & Reservoir
Location of Well <b>974' FSL, 1021' FEL</b>		Sec-Twp-Rge or Block & Survey <b>Sec. 2, T16N, R18E</b>	County <b>Navajo</b>
Application to drill this well was filed in name of <b>Duval Corp.</b>	Has this well ever produced GEOTHERMAL RESOURCES? <b>No</b>	Date plugged: <b>6/16/75</b>	Total depth <b>1017'</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>Cement Plugs</b>	
<b>Coconino; contains fresh water</b>	<b>3' - 754'</b>		
<b>Supai</b>	<b>754' - 1017' T.D.</b>	<b>750' - 950'; 25 sacks</b>	
<b>CASING RECORD</b>			
Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)
<b>8-5/8</b>	<b>8</b>	<b>0</b>	<b>8</b>
<b>5-9/16"</b>	<b>914'</b>	<b>0</b>	<b>914</b>
			Give depth and method of parting casing (shot, ripped, etc.)
			Packers and shoes
			<b>RECEIVED</b>
			<b>JUN 20 1975</b>
			<b>O &amp; G CONS. COMM.</b>
Was well filled with mud-laden fluid, according to regulations? <b>Yes</b>		Indicate deepest formation containing fresh water. <b>Coconino</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.			
<b>Casing cemented w/6 sacks cement &amp; cement plug 36 ft. below casing extending 164 ft. into casing; casing not perforated; steel plate welded on top of casing.</b>			
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 <b>June 25, 1975</b>	Signature <i>N. P. Krier</i> <b>N. P. Krier</b>		
Permit No. <b>649</b>	STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Plugging Record File One Copy		
	FORM NO. G-10		

TO: Oil and Gas Conservation Commission  
State of Arizona

This is to advise you that I accept the abandoned wildcat well, known as the \_\_\_\_\_ located on the \_\_\_\_\_  $\frac{1}{4}$ - $\frac{1}{4}$  of Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_, County of \_\_\_\_\_, Arizona, as a water well to be used for domestic purposes.

Further, I accept full responsibility for the proper maintenance and use of the above well, including final plugging, in full compliance with the Rules and Regulations adopted by the Oil and Gas Conservation Commission.

I understand that I am responsible for compliance with the provisions of the State Water Code, Chapter 1, Title 45, Arizona Revised Statutes and with any applicable requirements of U.S. Geological Survey.

Signature

Address

*Ray Reiohead*  
Rt 7 Box 170  
Show Low Ariz

State of Arizona  
County of Navajo

On this, the 17<sup>th</sup> day of Aug, 1975, before me, \_\_\_\_\_

\_\_\_\_\_, the undersigned officer, personally appeared Ray Reiohead, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument and acknowledged that he executed the same for the purpose therein contained.

In witness whereof I hereunto set my hand and official seal.

Notary Public

My Commission expires

*Bill Sutherland*  
11-4-77

State of Arizona  
OIL & GAS CONSERVATION COMMISSION  
WATER WELL ACCEPTANCE  
Form 26 - File one copy

Permit No. \_\_\_\_\_

649 WAX

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 #56 State  
 Location 974' FSL, 1021' FEL  
 Sec. 2 Twp. 16N Rge. 18E County Navajo Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease  
State Prospecting Permit #32093

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>Progress Report</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.)

Spudded June 6  
 Coconino 3' - 800'  
 Supai--800' to 1017' TD  
 0-8' surface casing 8 5/8" set w/2 sacks cement  
 0-914' .5 9/16 casing w/6 sacks cement  
 Cored from 914' to 1017'  
 TD = 1017' reach June 14, 1975  
 Casing left in hole  
 Halliburton Services of Farmington, NM is to cement plug from 750' - 950'.

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 JUN 19 1975  
 O & G CONS. COMM.

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

Signed [Signature] Title Advanced Geological Engineer Date 6/18/75

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

Permit No. 649

## APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

APPLICATION TO DRILL  Stratigraphic Test      RE-ENTER OLD WELL

Duval Corporation  
NAME OF COMPANY OR OPERATOR

4715 East Fort Lowell Road      Tucson      Arizona 85712  
Address      City      State

Drilling Contractor

Whatley Drilling Company

Address 1512 West Prince Rd., Tucson, Arizona

### DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number, or if fee lease, name of lessor <b>State Prospecting Permit #32093</b>	Well number <b>56</b>	Elevation (ground) <b>5462 ft.</b>
Nearest distance from proposed location to property or lease line: <b>1021 feet</b>	Distance from proposed location to nearest drilling, completed or applied—for well on the same lease: <b>feet</b>	
Number of acres in lease: <b>640</b>	Number of wells on lease, including this well, completed in or drilling to this reservoir: <b>N/A</b>	
If lease, purchased with one or more wells drilled, from whom purchased: <b>N/A</b>		
Well location (give footage from section lines) <b>974' FSL, 1021' FEL</b>	Section—township—range or block and survey <b>Sec. 2, T16N, R18E</b>	Dedication (Comply with Rule 105) <b>N/A</b>
Field and reservoir (if wildcat, so state)	County <b>Navajo</b>	
Distance, in miles, and direction from nearest town or post office <b>11 miles SSW from Joseph City, Az.</b>		
Proposed depth: <b>1000 ft.</b>	Rotary or cable tools <b>Rotary</b>	Approx. date work will start <b>6/5/75</b>
Bond Status <b>Statewide-on file</b>	Organization Report <b>On file X      Or attached</b>	Filing Fee of \$25.00 <b>Attached X</b>

Remarks:

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the \_\_\_\_\_ of the \_\_\_\_\_ (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.

**RECEIVED**

**JUN 03 1975**

**O & G CONS. COMM.**

Signature B. G. Messer

Date **June 4, 1975**

Permit Number: 649  
Approval Date: 6-6-75  
Approved By: [Signature]

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

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

Form No. 3

- 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  - 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 N/A
- If the answer to question four is "no," list all the owners and their respective interests below:

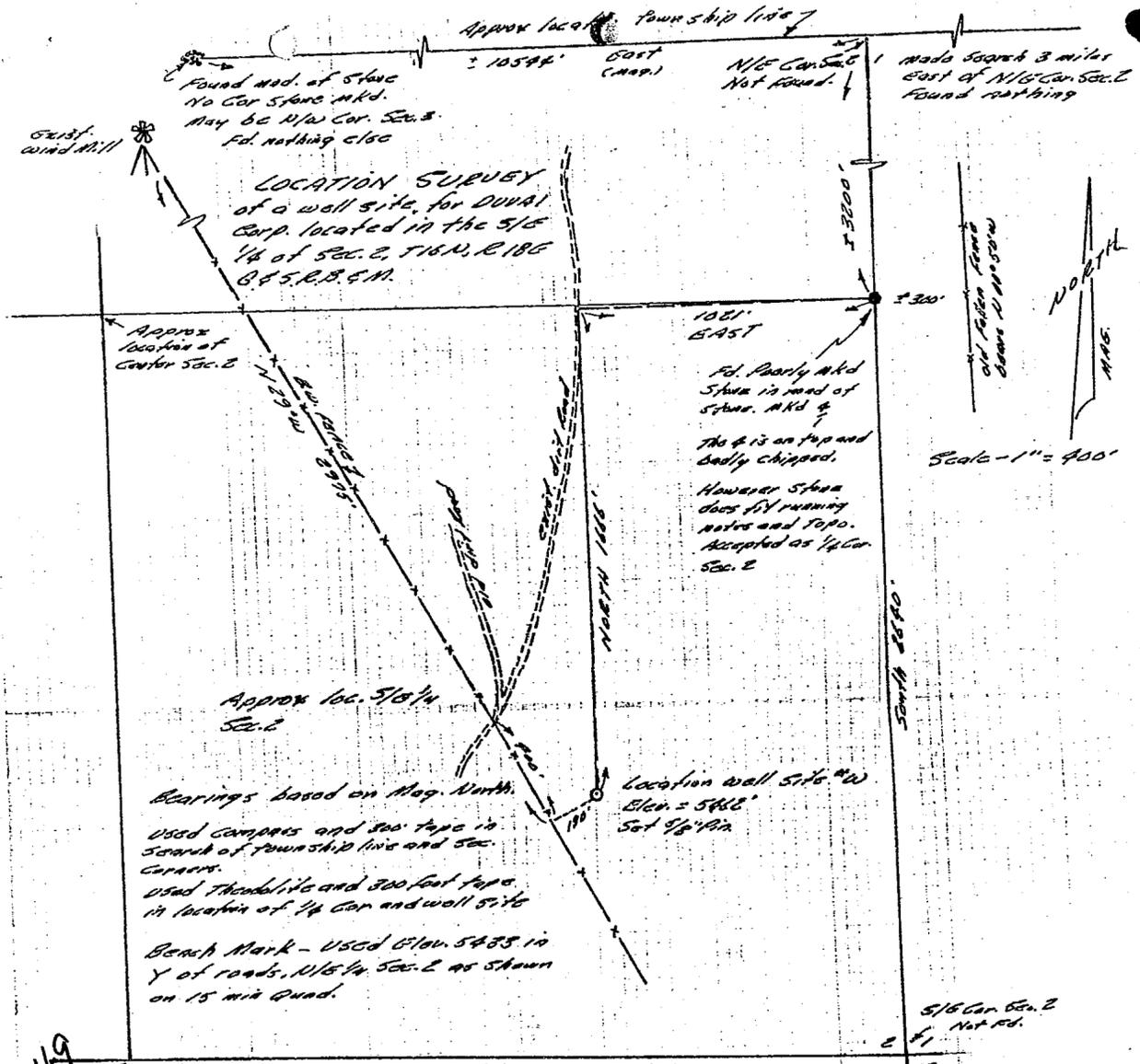
Owner State of Arizona	Land Description Section 2, T16N, R18E
Surface and Mineral	

	<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. G. Messer</p> <p>Position Vice President</p> <p>Company Duval Corporation</p> <p>Date June 4, 1975</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 June 1975</p> <p>Registered Professional Engineer and/or Land Surveyor</p> <p style="text-align: center;">Sam Lee Kuder</p> <p>Certificate No. 9430</p>
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**PROPOSED CASING PROGRAM**

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
8-5/8"	14.1	H	0	10	0 - 10	2
5-9/16"	10.76	Line	0	600	550 - 600	5



LOCATION SURVEY  
of a well site, for DUVAL  
Corp. located in the SW  
1/4 of Sec. 2, T16N, R18E  
B45, R2, E11.

Approx location of  
center Sec. 2

1081'  
EAST  
Fol. Parly Ahd  
Stem is end of  
stake. MKd 4  
The 4 is on top and  
badly chipped.  
However stem  
does fit running  
notes and topo.  
Accepted as 1/4 Cor.  
Sec. 2

Scale - 1" = 400'

Approx loc. SW 1/4  
Sec. 2

Bearings based on Mag. North.

Used compass and 300 foot tape in  
search of township line and Sec.  
corner.

Used theodolite and 300 foot tape  
in location of 1/4 Cor. and well site

Beach Mark - Used Elev. 5488 in  
Y of roads, NW 1/4 Sec. 2 as shown  
on 15 min Quad.

Location well site "W"  
Elev. = 5488'  
Set 9/18/75

SW Cor. Sec. 2  
Not Rd.

#649  
SW Cor. Sec. 2  
Not Rd.

Surveyors Note - Other than the east 1/4 Cor.  
of Sec. 2 and the possible NW Cor. Sec. 3.  
No other corners were found along the Northernly  
Township line of T16 N. and in Sec. 2, 3, 4, 6, 10,  
11, and 12

Surveyors Cert. to locate.  
This is to certify that this survey  
was made by me or under my direction  
during the month of June, 1975



RECEIVED  
JUN 05 1975  
O & G CONS. COMM.

CORPORATION WELL NO. 5657A/5  
SE/SE Sec 2-T16N-R18E, Navajo Co. AZ





# 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. 56

(WELL NAME)  
located 974' PSL - 1021' FEL

Section 2 Township 16N Range 18E, Navajo 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 6th day of June, 19 75.

OIL AND GAS CONSERVATION COMMISSION  
By W.B. [Signature]  
EXECUTIVE SECRETARY

PERMIT **Nº 649**

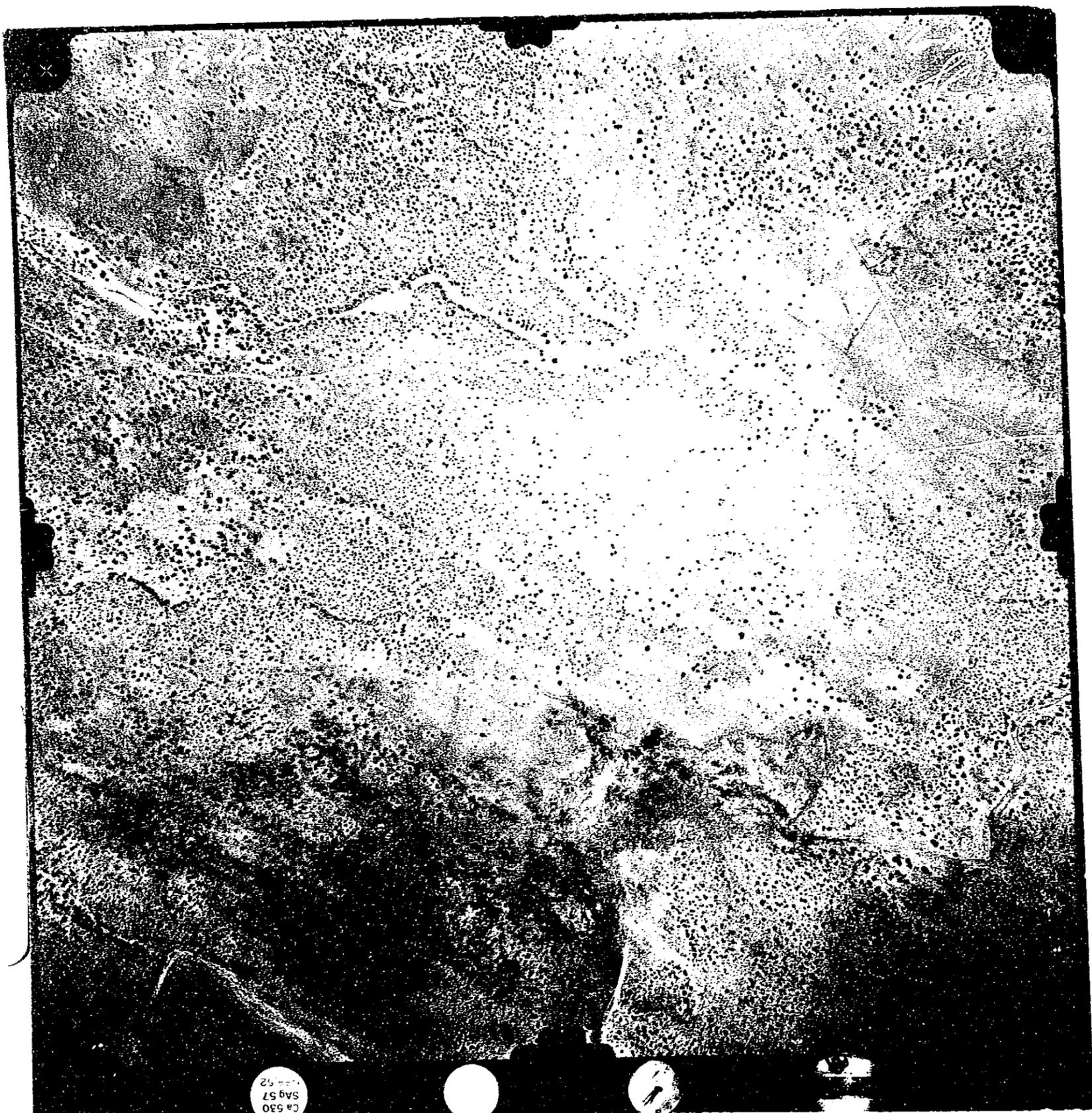
RECEIPT NO. 0379

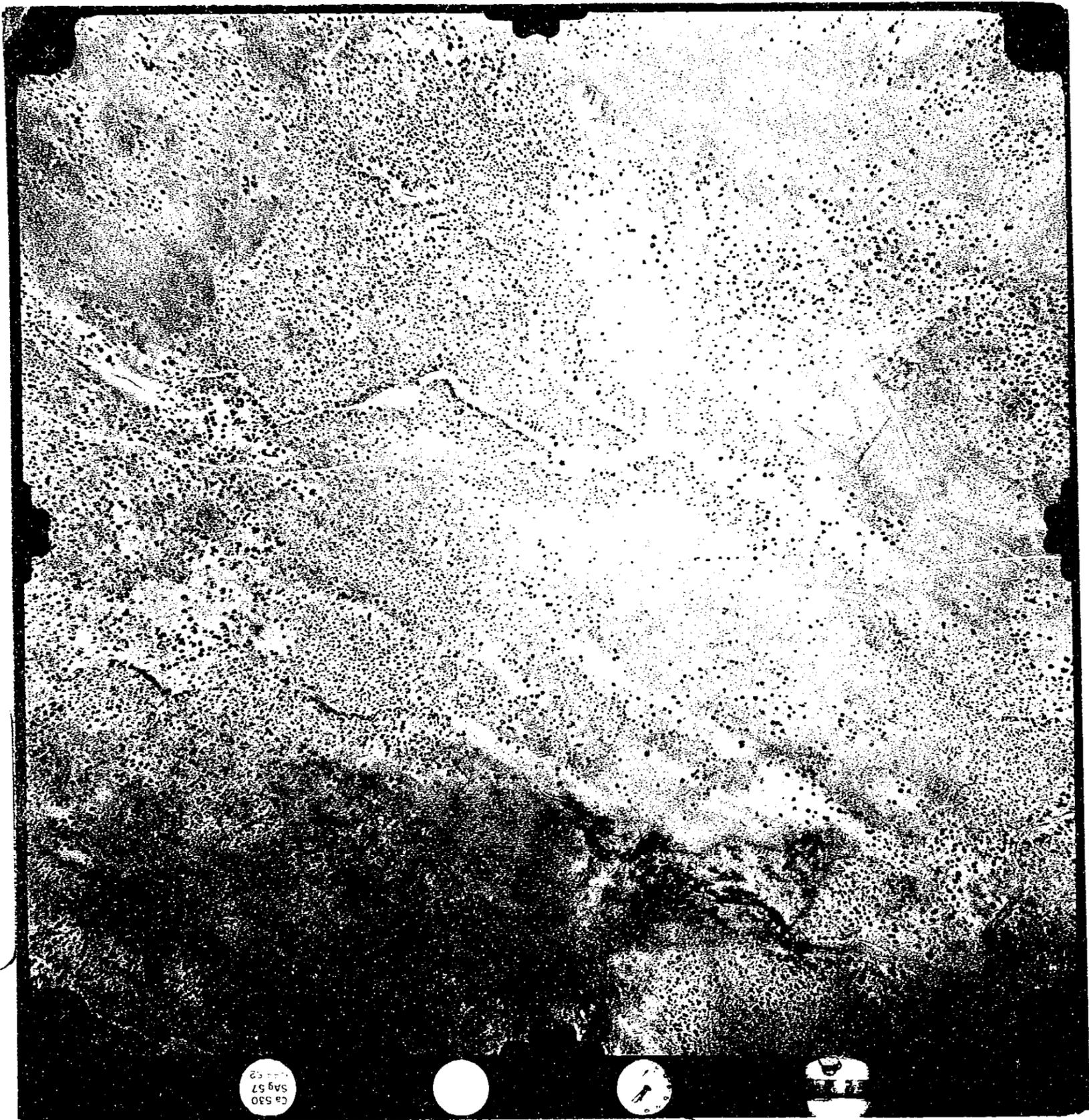
SAMPLES ARE REQUIRED

API NO. 02-017-20011

State of Arizona  
Oil & Gas Conservation Commission  
Permit to Drill

FORM NO. 27





Ca 530  
Sag 57



OFFICE OF

**Oil and Gas Conservation Commission**

STATE OF ARIZONA

150 SOUTH 7TH AVENUE  
PHOENIX, ARIZONA 85020

8536 N. CENTRAL, SUITE 105  
PHOENIX, ARIZONA 85020

PHONE: (602) 271-5161

June 15, 1976

Ms. Kay Waller  
Petro-Wells Libraries, Inc.  
150 Security Life Building  
1616 Glenarm Place  
Denver, Colorado 80202

Re: June Current Material

Dear Kay:

Enclosed you will find the following material for May and June.

DATA: Completion reports and miscellaneous reports of the following wells:

Duval Corporation, Nos. 54, 55, 56.  
St. Joe American Exploration Corp. Well No. 5  
Morton Bros. Inc. Well No. 8-1  
Webb Resources, Inc. NMAL No. 30-1  
Webb Resources, Inc. NMAL NO. 25-1

LOGS: Duval Corporation, GRN on Well Nos. 54, 55 & 56  
St. Joe American, GRN on Well No. 5  
Morton Bros. Well No. 8-1, P-Log, Comp. Neutron- Formation  
Density, Laterlog, Mud Log & Strip Log.  
Webb Resources, Inc. Well No. NMAL 30-1, Acoustilog, Laterolog.  
Webb Resources, Inc. Well No. 25-1, Densilog, Dual Induction-  
Focused Log.

Thank you.

W. E. Allen

649



5357 EAST PIMA TUCSON ARIZONA 85712

March 10, 1976.

*Copy from this letter to [unclear]*

OIL & GAS CONSERVATION COMMISSION  
Suite 106  
8686 North Central Avenue  
Phoenix, Arizona 85020

*Yuma County*

Gentlemen:

We are transferring to you cutting samples from Duval Corporation's three latest holes drilled in the Holbrook Basin.

*copy to*

- 1750* - Duval 54 State *FWL* Permit 643  
 900' FNL, 990' FEL, S2, T16N, R20E *(759-905)* *TD 909*  
 0-690 Ft. *720* *644*
- 1751* - Duval 55 State Permit 694 *598*  
 3726' FSL, 1477' FWL, S34, T16N, R21E *(659-595)*  
 20-660 Ft. ✓
- 1752* - Duval 56 State Permit 649 *TD 107*  
 974' FSL, 1021' FEL, S2, T16N, R19E *(111-107)*  
 10-900 Ft. ✓

Sincerely,

*N.P. Krier*

N.P. Krier  
Advanced Geological Engineer

dbh

*702-4536*



OFFICE OF

**Oil and Gas Conservation Commission**

STATE OF ARIZONA

4515 NORTH 7TH AVE.

PHOENIX, ARIZONA 85013

PHONE: (602) 271-5161

8635 N. CENTRAL, SUITE 135

PHOENIX, ARIZONA 85023

August 14, 1975

Mr. Jim Webster  
Photogrammetry & Mapping Services  
Highway Division  
Department of Transportation  
1739 W. Jackson, Room 61  
Phx., AZ 85007

RE: Duval Corporation Well No. 56  
SE/SE Sec 2-T16N, R18E  
Navajo County **649**

St. Joe American Exploration Corp. No. 9  
NW/NW Apache County  
Sec 16, T17N, R25E

Dear Mr. Webster:

Enclosed please find a copy of the Application to Drill for the above mentioned wells.

This letter is to advise you that the Duval #56 well was spudded June 6, 1975 and the St. Joe #9 was spudded August 2, 1975.

If we can be of further service, please advise.

Very truly yours,

Saralee Lorenzo  
Secretary to W. E. Allen  
Enforcement Section

SL/

Encls.

XXXXXXXXXXXXXXXXXX  
XXXXX

8686 N. Central  
Suite 106  
85020

August 7, 1975

Mr. Roy Reidhead  
Route 1, Box 170  
Showlow, AZ 85901

Dear Mr. Reidhead:

RE: Section 2, T16N,R18E  
Navajo County

We still have not received your signed copy of  
Form #26, Water Well Acceptance on the above well.

Please note copies of the letters enclosed to you  
from Duval Corporation.

Enclosed is a form for your convenience in case  
you have misplaced the one sent to you.

Thank you,

Saralee Lorenzo  
Secretary to W. E. Allen  
Enforcement Section

sl

Encl.

648



4715 EAST FORT LOWELL ROAD TUCSON ARIZONA 85712

CORPORATION

August 7, 1975

RECEIVED

Aug 11 1975  
O & G CONS. COMM.

Mr. Doy Reidhead  
Route 1, Box 170  
Showlow, Arizona 85901

Dear Mr. Reidhead:

We have received a reminder from the ARIZONA OIL & GAS CONSERVATION COMMISSION that they have not yet received the Water Well Acceptance Form 26 (incl 1) which was sent you on July 1, 1975.

The form has been filled in with the location data and should be executed by you before a Notary Public and mailed to the OIL & GAS CONSERVATION COMMISSION, 8686 North Central Avenue, Suite 106, Phoenix, Arizona 85020.

Again, thanks for the courtesy shown us while drilling this test well.

Very truly yours,

DUVAL CORPORATION

ORIGINAL SIGNED BY  
by **B. G. MESSER**  
B. G. Messer  
Vice President

BGM:JK:lac

Incl.

cc: Oil & Gas Conservation Commission w/incl.

Dr. J. I. Sharpe

Mr. N. Krier

649



4715 EAST FORT LOWELL ROAD TUCSON ARIZONA 85712

July 1, 1975

Mr. Doy Reidhead  
Route 1 Box 170  
Showlow, Arizona 85901

Dear Mr. Reidhead:

Our Stratigraphic Test, Duval Corporation Well No. 56, located in the SE $\frac{1}{4}$ , SE $\frac{1}{4}$  of Section 2, Township 16 North, Range 18 East, G&SRM, Navajo County has been completed and pursuant to your request, since water was encountered in the hole, was left so that you might develop it as a stock watering well on your ranch. The Oil and Gas Conservation Commission regulations require that you accept the abandoned wildcat well and supplied us with the necessary form to be filed with the Commission.

The form, with a copy thereof for your files, has been filled in with the location data and is enclosed for execution by you before a Notary Public. The original copy should then be mailed to the Oil and Gas Conservation Commission, 8686 North Central Avenue, Suite 106, Phoenix, Arizona.

Duval Corporation cannot guarantee the quality of the water but it possibly would be satisfactory for stock watering purposes. The casing will have to be perforated in some manner. A data sheet on the well is attached.

Thanks for the courtesy shown the drillers and our geologist while drilling this test well.

Very truly yours,

DUVAL CORPORATION

ORIGINAL SIGNED BY  
by: B. G. MESSER

B. G. Messer  
Vice President

BGM:rg  
Enclosures

cc: Oil and Gas Conservation Commission w/encl.  
bc: Dr. John I. Sharpe  
Mr. Ned Krier

(INCL. 1)

TO: Oil and Gas Conservation Commission  
State of Arizona

This is to advise you that I accept the abandoned wildcat well, known as the  
Duval Corporation Well No. 56 located on the SESE  $\frac{1}{4}$ - $\frac{1}{4}$   
of Section 2 Township 16N Range 18E, County of Navajo  
Arizona, as a water well to be used for domestic purposes.

Further, I accept full responsibility for the proper maintenance and use of  
the above well, including final plugging, in full compliance with the Rules  
and Regulations adopted by the Oil and Gas Conservation Commission.

I understand that I am responsible for compliance with the provisions of the  
State Water Code, Chapter 1, Title 45, Arizona Revised Statutes and with any  
applicable requirements of U.S. Geological Survey.

Signature \_\_\_\_\_

Address \_\_\_\_\_

State of \_\_\_\_\_  
County of \_\_\_\_\_

On this, the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, before me, \_\_\_\_\_

\_\_\_\_\_, the undersigned officer, personally appeared  
\_\_\_\_\_, known to me (or satisfactorily proven)  
to be the person whose name is subscribed to the within instrument and ack-  
nowledged that \_\_\_\_\_ executed the same for the  
purpose therein contained.

In witness whereof I herunto set my hand and official seal.

Notary Public \_\_\_\_\_

My Commission expires \_\_\_\_\_

State of Arizona  
OIL & GAS CONSERVATION COMMISSION  
WATER WELL ACCEPTANCE  
Form 26 - File one copy

Permit No. 619

XXXXXXXXXXXXXXXXXXXX  
XXXX

8686 N. Central  
Suite 106  
85020

August 6, 1975

Mr. B. G. Messer  
Vice President  
Duval Corporation  
4715 East Fort Lowell Road  
Tucson, Az 85712

Dear Mr. Messer:

We are still awaiting the Water Well Acceptance Form for your Well No. 56, located in the SE $\frac{1}{4}$ SE $\frac{1}{4}$  of Section 2, Township 16 North, Range 18 East in Navajo County. This was due to us during the middle of July.

Please furnish us with this completed form.

Thank you.

Very truly yours,

Saralee Lorenzo  
Secretary

SL

RECEIVED

JUL 2 1975

O & G CONS. COMM.



4715 EAST FORT LOWELL ROAD TUCSON ARIZONA 85712

July 1, 1975

Mr. Doy Reidhead  
Route 1 Box 170  
Showlow, Arizona 85901

Dear Mr. Reidhead:

Our Stratigraphic Test, Duval Corporation Well No. 56, located in the SE $\frac{1}{4}$ SE $\frac{1}{4}$  of Section 2, Township 16 North, Range 18 East, G&SRM, Navajo County has been completed and pursuant to your request, since water was encountered in the hole, was left so that you might develop it as a stock watering well on your ranch. The Oil and Gas Conservation Commission regulations require that you accept the abandoned wildcat well and supplied us with the necessary form to be filed with the Commission.

The form, with a copy thereof for your files, has been filled in with the location data and is enclosed for execution by you before a Notary Public. The original copy should then be mailed to the Oil and Gas Conservation Commission, 8686 North Central Avenue, Suite 106, Phoenix, Arizona.

Duval Corporation cannot guarantee the quality of the water but it possibly would be satisfactory for stock watering purposes. The casing will have to be perforated in some manner. A data sheet on the well is attached.

Thanks for the courtesy shown the drillers and our geologist while drilling this test well.

Very truly yours,

DUVAL CORPORATION

ORIGINAL SIGNED BY  
by: B. G. MESSER  
B. G. Messer  
Vice President

BGM:rg  
Enclosures

cc: Oil and Gas Conservation Commission w/encl.

649

DUVAL CORPORATION WELL NO. 56, PERMIT NO. 649  
SE $\frac{1}{4}$ SE $\frac{1}{4}$ , Sec. 2, T16N, R18E, G&SRM  
Navajo County, Arizona

Hole size: 0 to 8 ft. - - - - - 10 inch  
8' to 651' - - - - - 6 3/4"  
651' to 914' - - - - - 6 1/4"  
914' to 1017' - - - - - 4 7/8"

Casing in hole:

0 to 8 ft. - - - - - 8 5/8 inch cemented  
with 2 sacks cement  
0 to 914 ft. - - - - - 5 9/16 inch (5 1/8"  
inside diameter)  
0 to 572 ft. - collard  
572 to 914 ft. - butt welded  
cemented with 6 sacks cement.

Hole was plugged with 200 feet of cement from 750 to 950 feet.  
A steel plate has been tack welded on top of the casing to seal  
it.

The following observations were made:

1. Drill cuttings became damp at about 400 feet.
2. Hole made water around 500 feet.
3. Water flow appeared to increase with depth until  
around 750 to 800 feet.
4. A field test of a water sample indicated approximately  
1800 ppm chloride and 320 ppm calcium.

If the well is developed for water, after perforating the  
casing in some manner, the first pumping will probably contain  
some diesel oil which was used as a drilling fluid in the salt  
section near the bottom of the hole.

Abandonment or plugging of the hole must be approved by the  
Oil and Gas Conservation Commission, which would include  
cementing the top 10 to 20 feet and setting a four foot piece  
of four inch pipe in the top of the hole to mark its location.

WHILE WE BELIEVE THIS INFORMATION TO BE  
CORRECT. WE MAKE NO REPRESENTATION WITH  
RESPECT TO, NOR DO WE ASSUME ANY RESPONSIBILITY  
FOR, THE CORRECTNESS THEREOF.  
DUVAL CORPORATION

649

June 6, 1975

Mrs. Jo Ratcliff  
Four Corners Sample Cut Association  
P. O. Box 899  
Farmington, New Mexico 87401

Dear Mrs. Ratcliff:

The following permit was issued this date:

Duval Corporation Well No. 56  
SE/SE Sec 2-T16N-R18E  
Navajo County  
Permit No. 649

Very truly yours,

Mrs. Rhema Brandt  
Secretary to W. E. Allen  
Director, Enforcement Section

/rlb

June 6, 1975

Mr. B. G. Messer  
Duval Corporation  
4715 East Fort Lowell Road  
Tucson, Arizona 85712

Re: Duval Corp. Well No. 56  
SE/SE Sec 2-T16N-R18E  
Navajo County  
Permit No. 649

Dear Mr. Messer:

Enclosed please find Receipt No. 0379 covering your \$25 filing fee. Also enclosed is your approved application for permit to drill and Permit to Drill No. 649.

Very truly yours,

W. E. Allen, Director  
Enforcement Section

WEA/rlb

Encs.



4715 EAST FORT LOWELL ROAD TUCSON ARIZONA 85712

June 4, 1975

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. 56  
Located in the SE $\frac{1}{4}$ SE $\frac{1}{4}$   
Section 2, T16N, R18E

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

Yours very truly,

DUVAL CORPORATION

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

BGM:rg  
Enclosure

cc: Mr. E. S. Montgomery

RECEIVED

JUN 05 1975

O & G CONS. COMM.

