

CONFIDENTIAL

Release Date *April 26, 75*
October

P-11

DUVAL CORP. WELL NO. 47 *STATE*
SW/NW Sec 12-T18N-R26E, Apache Co.

COUNTY Apache AREA 10.5 mi. S. of Navajo LEASE NO. State Prospecting Permit #27622

WELL NAME DUVAL CORPORATION WELL NO. 47 *State*

LOCATION SW/NW SEC 12 TWP 18N RANGE 26E FOOTAGE 3259.5 FSL 945.5' FWL
 ELEV 6020' GR KB SPUD DATE 9-10-74 STATUS PSA 10-4-74 TOTAL
 COMP. DATE 10-3-74 DEPTH 1735'
 TD reached

CONTRACTOR Whatley Drilling Company

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY
8 5/8"	35'	0	NA	<input checked="" type="checkbox"/>
6 5/8"	1084'	0		<input type="checkbox"/>
5 9/16"	1605'	0		<input type="checkbox"/>

DRILLED BY CABLE TOOL
 PRODUCTIVE RESERVOIR
 INITIAL PRODUCTION Strat

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
Alluvium	Surface		X	Granted extra 6 months confidential status
Chinle	25'			
Moenkopi	1018'			
Coconino	1184'			
Supai	1452'			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG
GRN			SAMPLE DESCRP. _____ SAMPLE NO. <u>1729</u> CORE ANALYSIS <u>1605-1735'</u> 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 Insurance Company *filed in P/N 675* BOND NO. 80605375
 BOND AMT. \$ 25,000 CANCELLED _____ DATE _____ ORGANIZATION REPORT 5-23-74
 FILING RECEIPT 0138 LOC. PLAT WELL BOOK PLAT BOOK
 AFL NO. 02-001-20193 DATE ISSUED 8-14-74 DEDICATION NA

PERMIT NUMBER 624

(over)

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 #27622 Well Number: 47 Field & Reservoir:

Location: 3259.5 FSL - 945.5 FWL County: Apache

Sec. TWP-Range or Block & Survey: Sec. 12, T18N, R26E

Date spudded: 9-10-74 Date total depth reached: 10-3-74 Date completed, ready to produce: Elevation (SP, FSL, BP or Gr.) feet: 6020 ft. Elevation of casing hd. Range feet:

Total depth: 1735 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 - 1735 Cable tools used (interval):

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

Type of electrical or other logs run (check logs filed with the commission): Gamma Ray - Neutron Date filed: 10/25-74

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	9-7/8"	8-5/8"	16.90	35	0	0
Protective	7-7/8"	6-5/8"	9.76	1084	0	0
Protective	6-1/4"	5-9/16"	10.76	1605	10	1400

LINER RECORD

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

PERFORATION RECORD

Number per ft.	Size & type	Depth Interval	Am't. & 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	Gas prod. during test	Water prod. during test	Oil gravity
			bbbl.	MCF	bbbl.	* API (Corr)

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

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 Senior Geologist 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: October 25, 1974 Signature: Edward S. Montgomery
Edward S. Montgomery

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OCT 25 1974

Permit No. 624 O & G CONS. COMM. Form No. 4 File One Copy

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

(Complete Reverse Side)

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
Alluvium	0	25	Sand: buff; v.f.g.
Chinle	25	1018	Claystone and Siltstone: variously colored; local sandstone beds.
Moenkopi	1018	1184	Siltstone: dark red-brown, locally micaceous.
Coconino	1184	1452	Sandstone: brownish-white, f.g., rounded quartz grains.
Supai	1452	1735 (T.D.)	Sandstone: red-brown, v.f.g. grading downwards to siltstone and claystone; some anhydrite; mostly halite with minor shale below 1607 ft.

Note: core samples from 1605 ft. to 1735 ft.

* 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 and Gas Conservation Commission not later than thirty days after project completion.

PLUGGING RECORD

Operator Duval Corporation		Address 4715 E. Ft. Lowell Rd., Tucson, Az. 85712			
Federal, State, or Indian Lease Number, or lessor's name if fee lease. State P.P. #27622		Well No. 47	Field & Reservoir		
Location of Well 3259.5' FSL - 9455' FWL		Sec-Twp-Rge or Block & Survey Sec. 12, T18N, R26E		County Apache	
Application to drill this well was filed in name of Duval Corporation		Has this well ever produced oil or gas No	Character of well at completion (initial production): Oil (bbls/day) Gas (MCF/day) Dry?		
Date plugged: Oct. 4, 1974		Total depth 1735	Amount well producing when plugged: Oil (bbls/day) Gas (MCF/day) Water (bbls/day)		
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 Cement Plugs	
				0- 30; 5 sacks	
Chinle			0 - 1016'	1035- 1235; 35 sacks	
Moenkopi			1016 - 1184'	1430- 1630; 35 sacks	
Coconino		salt water	1184 - 1452'		
Supai			1452 - 1735' TD		
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"	35	0	35		
6-5/8	1084	0	1084		
5-9/16	1605	1400	205	shot	
Was well filled with mud-laden fluid, according to regulations? Yes				Indicate deepest formation containing fresh water. not known	
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.					
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <u>Senior Geologist</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 October 7, 1974		Signature <i>Edward A. Montgomery</i>			
RECEIVED					
OCT 8 1974					
O & G CONS. COMM.					
Permit No. 624		STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Plugging Record File One Copy			
		Form No. 10			

APPLICATION TO ABANDON AND PLUG

FIELD _____
 OPERATOR DUVAL CORPORATION ADDRESS 4715 E. FT. LOWELL, TUCSON, ARIZONA 85712
 Federal, State, or Indian Lease Number _____
 or Lessor's Name if Fee Lease _____ State Prospecting Permit #27622 WELL NO. 47
 LOCATION 3259.5' FSL - 945.5' FWL, Sec 12, T18N, R26E

TYPE OF WELL Stratigraphic Test TOTAL DEPTH 1735 feet
(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.

6-5/8" from surface to 1084 feet
 5-9/16" from surface to 1605 feet

2. FULL DETAILS OF PROPOSED PLAN OF WORK.

Cement plugs to be set at following intervals:

0 - 25'
 1035' - 1235'
 1520' - 1720'

DATE COMMENCING OPERATIONS October 4, 1974
 NAME OF PERSON DOING WORK Haliburton Services ADDRESS Farmington, New Mexico
 Signature Edward J. Montgomery
 Title Senior Geologist
 Address 5357 E. Pima St., Tucson, Arizona 85712
 Date October 3, 1974

Date Approved 10-7-74
 STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 By: [Signature]

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Application to Abandon and Plug
 File Two Copies
 Form No. 9

Permit No. 624

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OCT 7 1974

O & G CONS. COMM.

10X

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 #47 state

Location 945 1/2 FWL, 2020 1/2 FNL

Sec. 12 Twp. 18N Rgn. 26E County Apache Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease
Prospecting Permit #08-27621

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.)

Cored from 1605'-1735'
 shot 5 1/2" casing at 1400 ft
 pulled 1400 ft of 5 1/2" casing

Halliburton set cement plugs

0-30 ft	5 sacks
1035-1235 ft	35 sacks
1430-1630 ft	35 sacks

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NOV 14 1974

O & G CONSERV COMMISSION

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

Signed Red P. Kruer

Title Advanced Geological Engineer Date 10/4/74

Permit No. 624

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 #47 State
 Location 945.5' FWL, 2020.5' FNL
 Sec. 12 Twp 18N Rge. 26E County Apache Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease:
State Prospecting Permit #08-27621
 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 Progress</u>	ABANDONMENT <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.)

Top of Suprat 1480'
5 9/16" casing set to 1605' w/ 10 sacks cement
6PM on 9/27/74 preparing to core

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 SEP 30 1974
 O & G CONS. COMM.

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

Signed Neil P. Krueger

Title Advanced Geological Engineer Date 9/27/74

Permit No. 624

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 #47 State
 Location 945 1/2' FWL, 2020 1/2' FNL
 Sec. 12 Twp. 18N Rge. 26E County Apache Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease
State Prospecting Permit #08-27622

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 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.)

Depth at 8 PM 9/20/74 - 1314 ft
 Top of Colonino - 1190 ft
 6 3/8" casing set to 1084 ft
 Presently fishing

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SEP 20 1974

O & G Conservation Comm.

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

Signed Red P. Kries Title Advanced Geological Engineer Date 9/20/74

Permit No. 624

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 Corp.
 2. OIL WELL GAS WELL OTHER (Specify) Stratigraphic Test
 3. Well Name Duval #47 State
 Location 945.5' FWL, 2020.5' FNL
 Sec. 12 Twp. 18N Rge. 26E County Apache Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease:
State Prospecting Permit #08-27621

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.)

Spudded 9/10/74
 set 8 5/8" casing to depth of 81ft.
 depth @ BPM 9/13/74 - 1084ft
 0-25ft Blow sand
 25-1080ft Chinle
 1030-1084? Shinarump and/or Moenkopi

Became stuck in hole while tripping in order to set 6 5/8" casing

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SEP 16 1974

O & G CONS. COMM.

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

Signed Red P. Krier Title Advanced Vertical Engineer Date 9/13/74

Permit No. 624

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

APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

APPLICATION TO DRILL Stratigraphic Test

RE-ENTER OLD WELL

NAME OF COMPANY OR OPERATOR

DUVAL CORPORATION

Address 4715 E. Fort Lowell Road

City Tucson

State Arizona

Drilling Contractor

Whatley Drilling Company

Address 1512 West Prince Road, Tucson, Arizona

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number, or if fee lease, name of lessor

State Prospecting Permit #27622

Well number

47

Elevation (ground)

6020'

Nearest distance from proposed location to property or lease line:

945.5 feet

Distance from proposed location to nearest drilling, completed or applied—for well on the same lease:

N/A

feet

Number of acres in lease:

640

Number of wells on lease, including this well, completed in or drilling to this reservoir:

N/A

If lease, purchased with one or more wells drilled, from whom purchased:

Name

N/A

Address

Well location (give footage from section lines)

3259.5' FSL 945.5' FWL

Section—township—range or block and survey

Sec. 12, T18N, R26E

Dedication (Comply with Rule 105)

N/A

Field and reservoir (if wildcat, so state)

Apache

Distance, in miles, and direction from nearest town or post office

10.5 miles south of Navajo, Arizona

Proposed depth:

1900 ft.

Rotary or cable tools

Rotary

Approx. date work will start

August 14, 1974

Bond Status Statewide - on file

Amount \$25,000.00

Organization Report

On file Or attached

Filing Fee of \$25.00

Attached

Remarks:

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Vice President 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.

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O & G CON. COMM.

Signature B. G. Messer
B. G. Messer, Vice President

Date August 12, 1974

Permit Number: #624

Approval Date: 8-14-74

Approved By: [Signature]

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

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

APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

APPLICATION TO DRILL Stratigraphic Test

RE-ENTER OLD WELL

NAME OF COMPANY OR OPERATOR

DUVAL CORPORATION

Address **4715 E. Fort Lowell Road** City **Tucson** State **Arizona**

Drilling Contractor

Whatley Drilling Company

Address **1512 West Prince Road, Tucson, Arizona**

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number, or if fee lease, name of lessor State Prospecting Permit #27622		Well number 47	Elevation (ground) 6020'
Nearest distance from proposed location to property or lease line: 945.5 feet		Distance from proposed location to nearest drilling, completed or applied—for well on the same lease: N/A feet	
Number of acres in lease: 640		Number of wells on lease, including this well, completed in or drilling to this reservoir: N/A	
If lease, purchased with one or more wells drilled, from whom purchased: N/A		Name Address	
Well location (give footage from section lines) 3259.5' FSL 945.5' FWL	Section—township—range or block and survey Sec. 12, T18N, R26E	Dedication (Comply with Rule 105) N/A	
Field and reservoir (If wildcat, so state).		County Apache	
Distance, in miles, and direction from nearest town or post office 10.5 miles south of Navajo, Arizona			
Proposed depth: 1900 ft.	Rotary or cable tools Rotary	Approx. date work will start August 14, 1974	
Bond Status Statewide - on file	Organization Report On file <input checked="" type="checkbox"/> Or attached	Filing Fee of \$25.00 Attached <input checked="" type="checkbox"/>	

Remarks:

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Vice President 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.

RECEIVED

AUG 12 1974

O & G Cons. Comm.

B. G. Messer
Signature **B. G. Messer, Vice President**

Date **August 12, 1974**

Permit Number: #624
Approval Date: 8-14-74
Approved By: [Signature]

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.

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

- 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 12, T18N, R26E
Surface & Mineral	

CERTIFICATION

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Name	B. G. Messer
Position	Vice President
Company	Duval Corporation
Date	August 12, 1974

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.

See attached plat

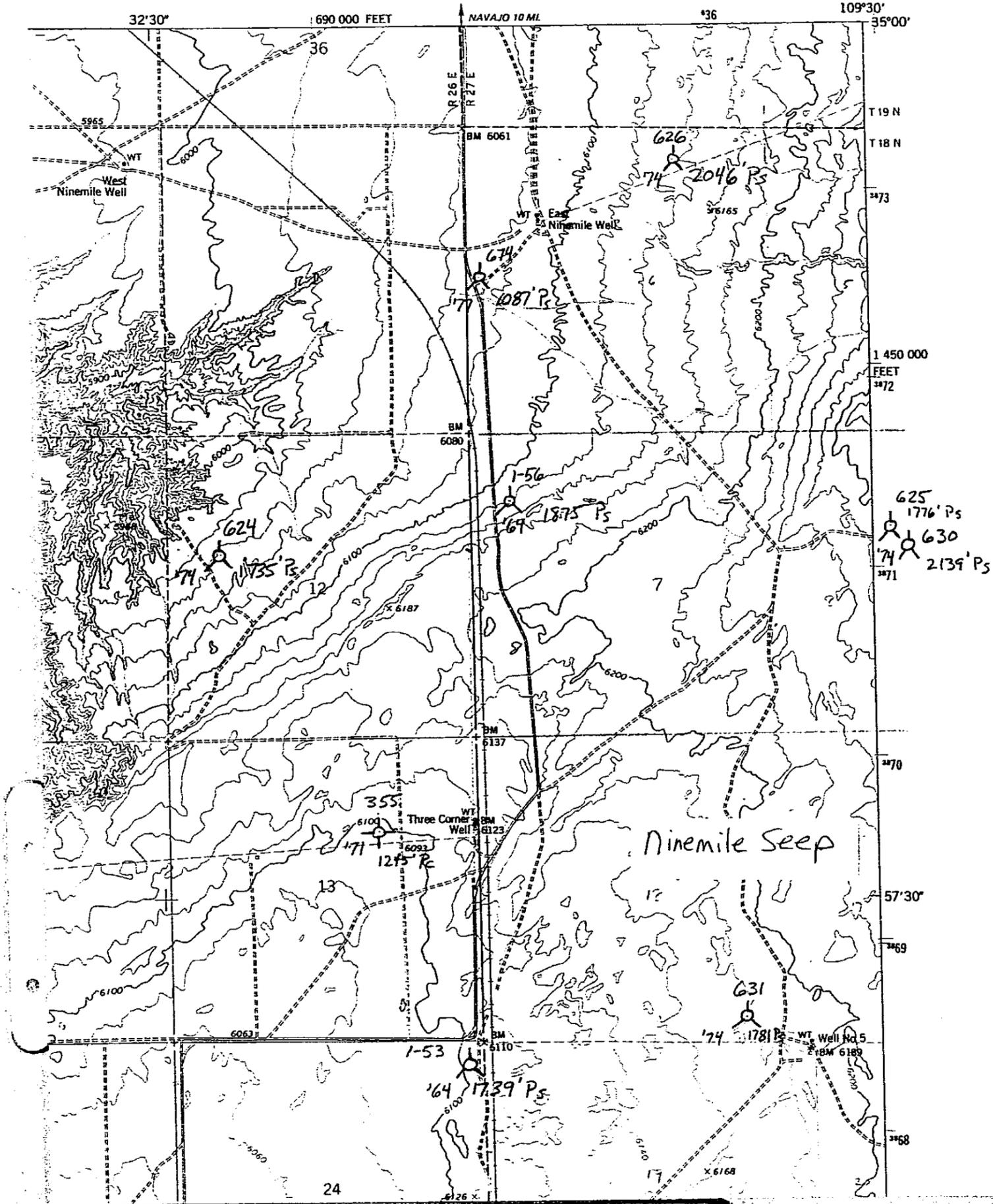
Date Surveyed	July 1974
Registered Professional Engineer and/or Land Surveyor	Sam Lee Kuder
Certificate No.	9430

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
8-5/8"	24.0	K-55	0	20'	Entire	5 sacks
5-9/16"	10.2	Line pipe	0	1750'	1740-1750	1 sack

NINEMILE SEEP QUADRANGLE
ARIZONA—APACHE CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

454 III SW
NAVAJO SPRING





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 STATE PROSPECTING PERMIT #27622 Well Number 47
(WELL NAME)

located 3259.5' FSL - 945.5' FWL

Section 12 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 14th day of August, 19 74.

OIL AND GAS CONSERVATION COMMISSION

By W. B. [Signature]
EXECUTIVE SECRETARY

PERMIT N^o 624

RECEIPT NO. 138
Samples are Required
API No. 02-001-20103

State of Arizona
Oil & Gas Conservation Commission
Permit to Drill

FORM NO. 27

XXXXXXXXXXXXXXXXXXXX

XXXX

8686 N Central
Suite 106, 85020

October 28, 1975

Mr. Rollo Pool
Petroleum Information
Box 301
Durango, Colorado 80301

Dear Rollo:

Enclosed please find pertinent information on our well Files
#624 & 625 for Duval Corporation.

Also enclosed is an invoice for \$2.10 for 6 copies at 35¢ each.
I am not charging you for the Sundry Notices because I was not
sure if you needed these or not. Please advise on this.

If we can be of further service, please advise.

Very truly yours,

Saralee Lorenzo
Secretary

Encls.

XXXXXXXXXXXXXXXXXXXX
XXXXXX

8686 N Central
Suite 106, 85020

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

RE: October Current File Material

Dear Kay:

Enclosed you will find the following current material for October.

Data: Completion report and miscellaneous reports on
Duval Corporation Well No. 47 & 48 #624 & #625

Logs - Gamma Ray Neutron Well No 47 - File 624

Thank you.

Saralee Lorenzo
Secretary

October 25, 1975
Follow-up

Duval well no. 47, Permit 624.

Release from Confidential file 10-25-75.

Send the usual info. to:

Petroleum Info. ✓
Petro Well Libraries ✓
Dr. Peirce ✓
Joe Melling ✓

10/28/75

WA



4715 EAST FORT LOWELL ROAD TUCSON ARIZONA 85712

April 8, 1975

Mr. W. E. Allen, Director
Enforcement Section
Oil and Gas Conservation Commission
4515 North 7th Ave.
Phoenix, Arizona 85013

Re: Duval Corporation Well #48
Sec. 8-T18N-R27E
Apache County
Permit No. 625

Dear Mr. Allen:

Duval Corporation Well #48 is classified as a stratigraphic test hole, therefore, pursuant to Rule 203 A we request that any information submitted on said hole please be considered confidential for an additional six month period.

Likewise we would like to request that all such information on our drill holes located in this general area be treated in this same manner. To date Duval drill holes nos. 47, 49, 50, 51 and 52 have been completed on Drill permits nos. 624, 626, 630, 631 and 632 respectively.

Thanks for any consideration given this request.

Very truly yours,

DUVAL CORPORATION

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

BGM:rg

cc: E. S. Montgomery

624

RECEIVED

APR 10 1975



OFFICE OF
Oil and Gas Conservation Commission
STATE OF ARIZONA
4515 NORTH 7TH AVE.
PHOENIX, ARIZONA 85013
PHONE: (602) 271-5161

April 7, 1975

Mr. B. G. Messer
Vice President-Minerals Acquisition
Duval Corporation
4715 East Fort Lowell Road
Tucson, Arizona 85712

Re: Duval Corporation #48
Sec 8-T18N-R27E
Apache County
Permit No. 625

Dear Mr. Messer:

This is to advise you that the confidentiality period on Well No. 48, referenced above, will expire on April 9, 1975. Should you wish an extension on this and all future wells, please advise.

Also, please note the attached change of address effective April 15, 1975.

Very truly yours,

W. E. Allen, Director
Enforcement Section

WEA/rlb

Enc.

cc Ed Montgomery

624



5357 EAST PIMA TUCSON ARIZONA 85712

October 28, 1974

Mr. William E. Allen
Oil and Gas Conservation Commission
4515 North 7th Avenue
Phoenix, Arizona 85013

Re: Duval Corporation #47
Sec. 12, T18N, R26E
Apache County
Permit No. 624

Dear Mr. Allen:

Enclosed are "Well Completion or Recompletion Report and Well Log",
Form No. 4 and a gamma ray - neutron log for our well No. 47.

Sincerely,

Edward S. Montgomery
Senior Geologist

ESM:hdh
encl.

cc: B. G. Messer

RECEIVED

OCT 29 1974

O & G CONS. COMM.

64



5357 EAST PIMA TUCSON ARIZONA 85712

October 7, 1974

Mr. William E. Allen
Oil and Gas Conservation Commission
4515 North 7th Avenue
Phoenix, Arizona 85013

Re: Duval Corporation #47
Sec. 12, T18N, R26E
Apache County
Permit No. 624

Dear Mr. Allen:

Enclosed is "Plugging Record", Form No. 10 for our Well No. 47.

Sincerely,

Edward S. Montgomery

Edward S. Montgomery
Senior Geologist

ESM:hdh
encl.

cc: B. G. Messer

RECEIVED

OCT 8 1974

O & G CONS. COMM.

624

copy



5357 EAST PIMA TUCSON ARIZONA 85712

October 4, 1974

Mr. William E. Allen
Oil and Gas Conservation Commission
4515 North 7th Avenue
Phoenix, Arizona 85013

Re: Duval Corporation #47
Sec. 12, T18N, R26E
Apache County
Permit No. 624

Dear Mr. Allen:

Enclosed is "Application to Abandon and Plug", Form No. 9 for our well No. 47.

Sincerely,

A handwritten signature in cursive script that reads "Edward S. Montgomery".

Edward S. Montgomery
Senior Geologist

ESM:hdh
encl.

cc: B. G. Messer

RECEIVED

OCT 7 1974

O & G CONS. Comm.

624

August 15, 1974

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

Dear Mrs. Ratcliff:

The following permits have been issued since June 17, 1974.

Duval Corporation #47
SW/NW Sec 12-T18N-R26E
Apache County
Permit No. 624

Duval Corporation #48
SE/SW Sec 8-T18N-R27E
Apache County
Permit No. 625

Duval Corporation #49
NW/NE Sec 6-T18N-R27E
Apache County
Permit No. 626

Very truly yours,

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

WEA/rlb

624



OFFICE OF

Oil and Gas Conservation Commission

STATE OF ARIZONA
4515 NORTH 7TH AVE.
PHOENIX, ARIZONA 85013
PHONE: (602) 271-5161

August 14, 1974

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

Re: Duval Corp. #47	Duval Corp. #48	Duval Corp. #49
SW/NW Sec 12-T18N-R26E	SE/SW Sec 8-T18N-R27E	NW/NE Sec 6-T18N-R27E
Apache County	Apache County	Apache County
Permit No. 624	Permit No. 625	Permit No. 626

Dear Mr. Messer:

Enclosed please find Receipt No. 138 covering your \$75 filing fee. Also enclosed are your approved applications for permit to drill and Permit to Drill No. 624, No. 625 and No. 626.

Very truly yours,

W. E. Allen, Director
Enforcement Section

WEA/rlb

Encs.

624



4715 EAST FORT LOWELL ROAD TUCSON ARIZONA 85712

August 12, 1974

Mr. W. E. Allen, Director
Enforcement Section
Oil and Gas Conservation Commission
State of Arizona
4515 North 7th Ave.
Phoenix, Arizona 85013

Dear Mr. Allen:

Enclosed are three applications for Permit to Drill the following
core tests in Apache County as follows:

1. Duval Hole No. 47 located in the SWNW of
Section 12, T18N, R26E.
2. Duval Hole No. 48 located in the SENW of
Section 8, T18N, R27E and
3. Duval Hole No. 49 located in the NWNE of
Section 6, T18N, R27E.

Also enclosed is our check in the amount of \$75.00 covering the filing
fee for above permits.

Yours very truly,

DUVAL CORPORATION

By: B. G. Messer

B. G. Messer
Vice President-Minerals Acquisition

BGM:rg
Enclosures

cc: E. S. Montgomery

RECEIVED

AUG 14 1974

O & G CONS. COMM.