

DUVAL CORPORATION #23 SANTA FE NO PERMIT
SE SE Sec. 33-T20N-R28E APACHE COUNTY 1-74

P-11

1-74

County Apache
Area Holbrook Basin
Lease No. _____

Well Name Duval Corporation #23 Santa Fe

Location SE SE Sec 33 Twp 20N Range 28E Footage 660' FSL - 660' FEL
Elev 5940' Gr _____ KB Date 3-12-64 Spud Completed Total Depth 1891'?
2068
Abandon 4-13-64

Contractor _____

Casing Size _____ Depth _____ Cement _____
Drilled by Rotary _____
Cable Tool _____
Production Horizon _____
Initial Production _____

REMARKS This hole drilled as a potash test.
* per Duval summary sheet - see Duval
Plot file

Elec Logs Sonic Log; Induction - Electrical Log; Sample Log _____
Applic. Plugging Completion _____ Sample Descript. _____
to Plug Record x Report x Sample Set P-1319
Core Analysis _____
DSTs _____

Water well accepted by _____

Bond Co. & No. None

Bond Am't \$ _____ Canceled _____ Date _____ Organization Report None

Filing Receipt None Dated _____ Well Book x Plat Book xxx

API No. 02-001-05356 Loc. Plat _____ Dedication None (Strat)

Permit Number None Date Issued _____

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County Apache

Area Holbrook Basin

Lease No. _____

Well Name Duval Corporation #23 Santa Fe

Location SE SE Sec 33 Twp 20N Range 28E Footage 660' FSL - 660' FEL

Elev 5940' Gr _____ KB Date 3-12-64 Spud Completed Abandon 4-13-64 Total _____ Depth 1891'?

2068

Contractor _____

Casing Size _____ Depth _____ Cement _____

Drilled by Rotary _____ Cable Tool _____

Production Horizon _____

Initial Production _____

REMARKS This hole drilled as a potash test.

per Duval summary sheet - see Duval Plot file

Elec Logs Sonic Log; Induction - Electrical Log;
Applic. Plugging Completion
to Plug _____ Record x Report x

Sample Log _____
Sample Descript. _____
Sample Set P-1319
Core Analysis _____
DSTs _____

Water well accepted by _____

Bond Co. & No. None

Bond Am't \$ _____ Cancelled _____ Date _____ Organization Report None

Filing Receipt None Dated _____ Well Book x Plat Book xxx

API No. 02-001-05356 None Loc. Plat _____ Dedication None (Strat)

Permit Number None Date Issued _____

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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, Arizona

Lease Name _____ Well Number 23 Field & Reservoir _____

Location 4620 FNL # 660 FEL Sec 33 T20N R28E Sec.—TWP—Range or Block & Survey

County Apache Permit number _____ Date Issued _____ Previous permit number _____ Date Issued _____

Date spudded 3/12/64 Date total depth reached _____ Date completed, ready to produce 4/13/64 Elevation (DF, RKB, RT or Gr.) _____ Elevation of casing hd. flange _____ feet

Total depth 1891 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) _____ Cable tools used (interval) _____

Was this well directionally drilled? _____ 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) Induction Electric, Sonic Log 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

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 _____ Gas prod. during test _____ Water prod. during test _____ Oil gravity _____ bbls. MCF bbls. * API (Corr)

Tubing pressure _____ Casing pressure _____ Cal'ed 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 _____ 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.

Date _____

Signature _____

STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION
Well Completion or Recompletion Report and Well Log
Form No. P-7 File two copies

PLUGGING RECORD

Operator <i>Duval Corporation</i>		Address <i>4715 E FT. Lowell Rd. Tucson, Arizona</i>	
Name of Lease		Well No. <i>23</i>	Field & Reservoir
Location of Well <i>4620 FNL & 660 FEL Sec 33 T20N R28E</i>		Sec-Twp-Rge or Block & Survey	County <i>Apache</i>
Application to drill this well was filed in name of	Has this well ever produced oil or gas	Character of well at completion (initial production): Oil (bbls/day) Gas (MCF/day) Dry?	
Date plugged:	Total depth <i>1891'</i>	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.

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

Was well filled with mud-laden fluid, according to regulations? Indicate deepest formation containing fresh water.

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.....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.

Date _____ Signature _____

FORM 159

DUVAL CORPORATION
INTER-OFFICE MEMORANDUM

1-74

FROM Navajo, Arizona

DATE April 14, 1964

TO Esperanza

ATTENTION B.G. Messer

SUBJECT: Duval # 23 Santa Fe

Location: 4620 FNL, 660 FEL, sec. 33, T. 20N., R. 28E.
Date Started: 3/12/64
Date Completed: 4/13/64
Elevation, G.L.: 5940
Casing Point: 345
Depth, Top Coconino: 1688 (4252)
Depth, Top Halite: Hole Abandoned.
Depth, Top Sylvite: Hole Abandoned.
T.D.: 1891

WHILE
CORR
RESPECT

OPERATION TO BE
CONDUCTED WITH
RESPONSIBILITY
AND SAFETY

Hole No.

Interval (feet)

Formation or Member

21

Ground elevation 5760'
0-100 (approx.)
100-280
280-365
365-400
400-
765 (G&N log)
1105-1325
1325-1500
1500-
1676

Dune Sand
Bidahochi
Upper Petrified Forest
Sonsela
Lower Petrified Forest
Top of greenish-grey
Lower Mupatki
Coconino
Supai
Top of 1st marker Anhydrite

22(a)

Ground elevation 5510'
0-10
10-
70-
375-
436-581
581-900
900-
1022

Dune Sand
Lower Petrified Forest
Top of greenish-grey
Shinarump
Lower Mupatki
Coconino
Supai
Top of 1st marker Anhydrite

23

Ground elevation 5940'
0-60
60-390
390-
965
1525-
1550-1668
1668-1895 2068
(Hole abandoned at 1895')
2068

Dune Sand
Bidahochi
Upper Petrified Forest
Top of greenish-grey
Shinarump
Lower Mupatki
Coconino

24

Ground elevation 5530'
0-
425-
477-647
647-980
980-
1061

Chinle, near or below top
greenish-grey unit
Shinarump
Lower Mupatki
Coconino
Supai
Top of 1st marker Anhydrite

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