

P-W

DUVAL CORPORATION #29 STATE 9-30
NW SW Sec. 36-T19N-R23E NAVAJO COUNTY

County Navajo

Area Holbrook Basin

Lease No. State

Well Name Duval Corporation #29 State

Location SW SW Sec 36 Twp 19N Range 23E Footage 330' FSL - 330' FWL

Elev 5410' Gr KB Spud Date 4-6-64 ~~Completed~~ Abandon 4-13-64 Total Depth 1454'?

Contractor _____

Casing Size 4-1/2" Depth 1245' Cement _____ Drilled by Rotary _____ Cable Tool _____

Production Horizon _____

Initial Production _____

REMARKS This hole drilled as a potash test.

See file for Core Lithology. (Footage 1245' - 1346')

Elec Logs Gamma Ray-Neutron;
Applic. Plugging Completion
to Plug Record x Report x

Sample Log _____
Sample Descript. _____
Sample Set P-1313
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 x

API No. 02-017-05154 Loc. Plat _____ Dedication None (Strat)

Permit Number None Date Issued _____

9-30

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. FR. LOWELL RD. TUCSON, ARIZONA

Lease Name: _____ Well Number: 29 Field & Reservoir: _____

Location: _____ Sec.-TWP-Range or Block & Survey: T19N, R23E

County: NAVAJO Permit number: _____ Date Issued: _____ Previous permit number: _____ Date Issued: _____

Date spudded: 4-6-64 Date total depth reached: 4-13-64 Date completed, ready to produce: 4/13/64 Elevation (DF, RKB, RT or Gr.) feet: _____ Elevation of casing hd. flange feet: _____

Total depth: 1455 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): GAMMA RAY-NEUTRON 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	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
in.	ft.	ft.	in.	ft.	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 DUVAL CORPORATION		Address 4715 E. FT. LAUREL RD. TUCSON, ARIZONA		
Name of Lease		Well No. 29	Field & Reservoir	
Location of Well 330' NORTH & 4950' WEST OF S.E. COR. SEC. 36 T. 19N, R. 23E		Sec-Twp-Rge or Block & Survey		County NAVAJO
Application to drill this well was filed in name of 4-13-64	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 1455	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

STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION
Form No. P-15 Plugging Record File two copies

FORM 159

DUVAL CORPORATION
INTER-OFFICE MEMORANDUM

FROM Navajo, Arizona

DATE April 14, 1964

TO Esperanza

ATTENTION B.G. Messer

SUBJECT: Duval # 29 State

Location: 330 F&L, 330 F&L, sec. 36, T.19N., R.23E.
Date Started: 4/6/64
Date Completed: 4.13/64
Elevation, G.L.: 5410
Casing Point: 1243
Depth, Top Coconino: 711 (4699)
Depth, Top Salitic: None.
Depth, Top Sylvite: None.
T.D.: 1455

DUVAL SULPHUR & POTASH COMPANY
POTASH DIVISION
CARLSBAD, NEW MEXICO

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

CORE LITHOLOGY

WELL NO. 29

DEPTH (Feet)		INTERVAL		ESTIM. %		DESCRIPTION
From	To	Feet	Shale	SA		
Abbreviations:						
						H - Halite Gyp - Gypsum
						A - Anhydrite C-S - Clay-Silt
						P - Polyhalite med.g. - medium grained
						S - Sylvite clr. - clear
						C - Carnallite occ. - occasional
						f.g. - fine grained V. - Very
						c.g. - coarse grained incr - increasing
						incl. - inclusions decr - decreasing
						irreg - irregular brn. - brown
1245	0					Start Coring
1245	0	1256	4	11	4	- 100 A, med. gray, banded, 0.4' at base is white.
1256	4	1259	4	3	0	85 15 C-S. to siltstone, lt. brn., hard; numerous lt. gray A zones, stringers, & blebs.
1259	4	1260	3	0	9	8 92 A, white-lt. gray; some C-S., lt. brn.
1260	3	1267	0	6	7	75 25 C-S, lt. red-brn. hard, numerous irreg. white A blebs, bands, & zones, 0.4' band at 1265.0', most of remainder is top half.
1267	0	1273	6	6	6	96 4 C-S., red-brn., med. soft; few small white A blebs, grading out down, 0.4' 80% A zone at 1269.2'.
1273	6	1276	5	2	9	1 99 A, lt. gray; few brn. C-S. incls. in lower 0.2'.
1276	5	1283	6	9	1	90 10 C-S., red-brn.; numerous irreg. white A zones in top & bottom thirds; remainder fairly pure C-S; 45° slickenside at 1281.7'.
1283	6	1298	6	15	0	95 5 C-S., red-brn., med. hard; some A, white, as irreg. brecciated incls. & veinlets, grading in down & 1/2" vert. veinlet from 1292.0' to 1292.8', 0.3' band at base.
1298	6	1310	7	12	1	98 2 C-S., lt. red-brn., soft becoming hard in lower third; few V. small white A blebs.
1310	7	1324	3	13	6	94 6 C-S., lt. brn., med. hard; some A, white, as irreg. blebs & zones, 0.3' bands at 1320.4' & base.

