M-d

[redacted]

DUVAL CORPORATION #44 SANTA FE NO PERMIT
SW SE Sec. 19-T18N-R28E APACHE COUNTY 1-60

1-60

County Apache

Area Holbrook Basin

Lease No.

Well Name Duval Corporation #44 Santa Fe

Location SW SE Sec 19 Twp 18N Range 28E Footage 752' FSL - 2290' FEL

Elev 6470' Gr KB Spud Date 2-14-65 ~~Completed~~ Abandon 3-19-65 Total Depth 2676'?

Contractor

Drilled by Rotary
Cable Tool

Casing Size	Depth	Cement
7"	20'	
5-1/2"	1862'	
3-1/4"	2377'	

Production Horizon

Initial Production

REMARKS This hole drilled as a potash test.

See file for Core Lithology (Footage 2351' - ~~1~~2676')

Elec Logs Electrical Log; Gamma Ray-Neutron; Induction-Electrical Log;

Applic. to Plug ___ Plugging Record x Completion Report x

Sample Log
Sample Descript.
Sample Set P-1353
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. 02-001-05061 ~~None~~ Loc. Plat ___ Dedication None (Strat)

Permit Number None Date Issued

1-60

5.

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: 44 — Field & Reservoir

Location: 752 FSL & 2990 FWL Sec 19 T18N R28E — Sec.—TWP-Range or Block & Survey

County	Permit number	Date Issued	Previous permit number	Date Issued
Apache				

Date spudded	Date total depth reached	Date completed, ~~ready~~ to ~~produce~~	Elevation (DF, RKB, RT or Gr.) feet	Elevation of casing hd. flange feet
		3/19/65		

Total depth	P.B.T.D.	Single, dual or triple completion?	If this is a dual or triple completion, furnish separate report for each completion.
2670			

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, Induction-Electrical 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	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 bbls.	Gas prod. during test MCF	Water prod. during test bbls.	Oil gravity °API (Corr)

Tubing pressure	Casing pressure	Cal'ted 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 ..... 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. Lowell Rd Tucson, Arizona
Name of Lease	Well No.: 44 — Field & Reservoir
Location of Well: 752 FSL & 2990 FWL	Sec-Twp-Rge or Block & Survey: Sec 19 T18N R28E — County: Apache
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: 2670 — 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 wellbore 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

Plugging Record — File two copies

Form No. P-15

1-60

FORM 159

DUVAL CORPORATION

INTER-OFFICE MEMORANDUM

FROM Navajo

DATE March 19, 1965

TO Sahuarita

ATTENTION Mr. B.G. Messer

SUBJECT: Duval #44 Santa Fe

Location: 752 FSL, 2990 FWL, sec.19, T.18N., R.28E.
Date Started: 2/14/65
Date Completed: 3/19/65
Elevation; G.L.: 6470
Casing Point: 2370
Depth, Top Coconino: 2020 (4450)
Depth, Top Halite: 2433 (4037)
Depth, Top Sylvite: None.
T.D.: 2670

Note: All depths listed above are Schlumberger depths.

Hole No.	Interval (feet)	Formation or Member
41	Ground elevation 5730'	
	0-40	Bidahochi
	40-149	Sonsela
	149-	Lower Petrified Forest
	399	Top of greenish-grey unit
	619-757	Lower Wupatki
	757-785	Kaibab
	785-1143	Coconino
	1143-	Supai
	1259	Top of 1st marker Anhydrite
42	Ground elevation 6040'	
	0-65	Bidahochi
	65-	Upper Petrified Forest
	659-	Lower Petrified Forest
	908	Top of greenish-grey unit
	1130-1248	Lower Wupatki
	1248-1290	Kaibab
	1290-1658	Coconino
	1658-	Supai
	1752	Top of 1st marker Anhydrite
43-A	Ground elevation 6430	
	0-538	Bidahochi
	538-551	Bidahochi Basal Conglomerate
	551-	Upper Petrified Forest
	1202-	LowerrPetrified Forest
	1432	Top of greenish-grey unit
	1679-	Shinarump
	1688-1850	Lower Wupatki
	1850-2157	Coconino
	2157	Supai
	2262	Top of 1st marker Anhydrite
44	Ground elevation 6470	
	0-722 (approx.)	Bidahochi
	722-730	Bidahochi Basal Conglomerate
	730-	Upper Petrified Forest
	1410-	Lower Petrified Forest
	1633	Top of greenish-grey unit
	1873-	Shinarump
	1906-2020	Lower Wupatki
	2020-2300	Coconino
	2300-	Supai
	2415	Top of 1st marker Anhydrite

RECEIVED
JUL 20 1965
STATE O & G
CONS. COMM.

1-60

Form 3

DUVAL CORPORATION
POTASH DIVISION
CARLSBAD, NEW MEXICO

WHILE WE BELIEVE THIS INFORMATION TO BE
RESPECT TO
DUVAL CORPORATION

Core Lithology

Holbrook Salt Basin

WELL NO. DC-44 — 6' to Schlumberger depths

DEPTH (Feet) From		To		INTERVAL Feet		ESTIM. % Shale	P	DESCRIPTION	
				Abbreviations:				H - Halite	G - 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
2351								START CORING	
2351	-	2363	5	12	5	85	15	Siltstone, hd., lt. - dk. brn.; numerous small - lt. gray A incls. & zones, 0.1' bands at 2352.4', 2354.9', & 2355.6', 0.2' at 2362.8'.	
2363	5	2368	5	5	0	92	8	C-S, red - brn., med. soft - med. hd.; many small - lg. lt. gray A incls. & zones.	
2368	5	2370	6	2	1	85	15	C-S to siltstone, med. hd., brn-dk. brn.; many lg. lt. gray A zones & white A stringers.	
2370	6	2372	0	1	4	30	70	A, lt. gray; numerous thin clay bands & 50% zones, incr. down from 10% to 50%.	
2372	0	2375	6	3	6	75	25	C-S, lt. red-brn., few irreg. green zones, & A, lt. gray, as irreg. blebs, zones, & stringers, decr. down from 40% to 10%.	
2375	6	2384	6	9	0	C PA	100	A, lt-dk. gray; few thin C-S parting in lower 0.8'.	
2384	6	2389	4	4	8	97	3	C-S, brn to red-brn., med. hd., few green incls.; some A, lt. gray-white, as small incls. & stringers.	
2389	9	2405	0	15	1	92	8	C-S, brn to red-brn., med. hd.; some A, lt. gray-white, as small blebs, grading out in top 5', numerous v. fine horiz. bands between 2394.8' & 2398.5'; high angle fractures in C-S, grading out down.	
2405	0	2405	4	0	4	10	90	A, lt. gray, a 0.05' irreg. white fracture filling at 2405.3'; some C-S, grading out down.	

Form 3-A

DUVAL CORPORATION

Corelithology, Supplemental Page

HOLE NO. DC - 44 PAGE NO. 2

DEPTH (Feet) From		To		INTERVAL Feet		ESTIM. % Shale	P	DESCRIPTION
2405	4	2409	2	3	8	96	4	C-S, brn., med. hd.; few small white A blebs, 20%
								zone from 2407.8' - 2408.1'.
2409	2	2410	8	1	6	35	65	A, lt. gray-white; 0.1' C-S band at 2409.5', 0.4' 95%
								C-S at 2410.2', few irreg. stringers & zones in
								remainder; high angle slickenside fracture at base.
2410	8	2414	0	3	2	96	4	C-S, brn., med hd.; few small-med. gray A blebs,
								0.2' 40% white A at 2413.0'; low angle slickenside
								with some selenite fracture filling at 2413.8'.
2414	0	2414	9	0	9	2	98	A, lt. gray; few v. small red-brn. C-S stringers in
								upper third.
2414	9	2416	4	1	5	85	15	C-S, lt. brn., med. hd.; some A as irreg. stringers
								& thin white fracture fillings.
2416	4	2418	2	1	8	3	97	A, lt. gray; 0.3' 20% brn. C-S at 2417.8'.
2418	2	2421	0	2	8	85	15	C-S, dk. brn., med. hd.; numerous thin white A -
								selenite high angle fracture fillings & lt. gray A
								zones.
2421	0	2437	1	16	1	1A -	94	A, lt.-med. gray; some H., f.g.-med., as graphic incls
								from 2423.9& to 2429.5' & from 2436.1' to 2436.4'.
2423	9							Top of Salt.
2437	1	2439	0	1	9	92	-	C-S, red-brn., soft; some H, tan, f.g., as horiz.
								schistose fracture fillings, 0.05' high angle H zone
								at 2438.0'.

rm 3-A

DUVAL CORPORATION

Corelithology, Supplemental Page

L NO. DC - 44 PAGE NO. 3

DEPTH (Feet) From		To		INTERVAL Feet		ESTIM. % Shale	P	DESCRIPTION
2439	0	2440	7	1	7	5	5	H, c.g.-med., clr. in lower half; some C-S, brn., & A, white, as stringers grading out down.
2440	7	2442	8	2	1	55	3	C-S, red-brn., soft, & H, f.g.-med. , 0.4' 80% H at top, remainder occurs as irreg. fracture fillings & blebs; few small white A blebs.
2442	8	2445	8	3	0	15	2	H, med.-v.c.g.; some C-S, lt. brn., as small-v. lg. incls., 0.3' 60% at 2443.1'; few small white A stringers.
2445	8	2448	8	3	0	4	2	H, med.-c.g., clr. in lower half; several small brn. C-S incls., decr. down from 6% - 2%; few small white A stringers, grading out down.
2448	8	2450	7	1	9	12	2	H, f.g.-c.g.; manysmall-med. brn. C-S incls., incr. down form 6% - 18%; few small white A stringers.
2450	7	2452	2	1	5	40	1	H, f.g.-med., & C-S, lt. brn., med. soft; few irreg. f.g. H fracture fillings; v. few small white A stringers.
2452	2	2453	2	1	0	16	4	H, med.-c.g.; several v. lg. lt. brn. C-S zones at 2452.8' & base; few med. white A stringers & incls.
2453	2	2458	1	4	9	6	2	H, med.g.; some small-med. lt-dk. brn. C-S incls.; few small white A stringers.
2458	1	2460	2	2	1	1	4	H, clr., med.g.; few small-lg. lt. gray A stringers, 0.1' 25% zone at 2458.8'; v. few small brn. C-S incls., grading out down.

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DUVAL CORPORATION

Corelithology, Supplemental Page

L. NO. DC - 44 PAGE NO. 4

DEPTH (Feet) From		To		INTERVAL Feet		ESTIM. % Shale	P	DESCRIPTION
2460	2	2460	6	0	4	3-4	55	A, lt. gray, & H, f.g., as graphic incls.
2460	6	2462	6	2	0	-	85	A, lt. gray; some H, f.g., as graphic incls.,
								grading out down.
2462	6	2465	3	2	7	2	2	H, med. g.; few v. small red-brn. C-S incls. & lt.
								gray A stringers.
2465	3	2469	0	3	7	1	1	H, clr.-v. clr. in lower half; v. few small red-brn.
								C-S incls. & lt. gray A stringers, grading out down.
2469	0	2469	2	0	2	-	75	A, lt. gray; some graphic H.
2469	2	2472	5	3	3	55	4	C-S, red-brn., med. soft, & H. med. g.; few small-
								med. white A stringers, some occurring as halos
								around H blebs.
2472	5	2478	0	5	5	30	2	H, med.-c.g., & C-S, red brn., soft, decr. down
								from 40% to 20%; few small white A stingers.
								(Core badly broken)
2478	0	2490	1	1	9	4	-	H, med.g., to c.g., fairly clr.; some C-S, brn, soft
								decr down from 6% to 2%
2490	1	2496	7	6	6	3A -	90	A, lt. gry.; few med H intergrowths grad. in dwn.
2496	7	2497	1	0	4	-	20	H, clr., med, many lg. white A stringers 0.05' irreg
								band at 2496.8'.
2497	1	2502	1	5	0	20	2	H, med, some c.g.; many small to large soft brn. C-S
								incls. 0.1' band at 2498.9'; few small gry A stringers
2502	1	2512	5	10	4	4	2	H, fairly clr, med to c.g.; some small brn C-S incls.
								grading in remainder; few small gry A stringers.

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DUVAL CORPORATION

Corelithology, Supplemental Page

L NO. DC-44 PAGE NO. 5

DEPTH (Feet) From		To		INTERVAL Feet		ESTIM. % Shale	P	DESCRIPTION
2512	5	2514	9	2	4	55	3	C-S, brn, soft & H, med.; 0.2' 80% C-S zone 2513.2',
								2514.0', 2514.4'. 0.1' white A band at top.
2478	0	2490	1	1	9	4	-	H, med. g., to c.g., fairly clr.; some C-S, brn,
								soft, decr down from 6% to 2%.
2490	1	2496	7	6	6	-	90	A, H. gry.; few med H intergrowths grad. in dwn.
2496	7	2497	1	0	4	-	20	H, clr., med, many lg. white A stringers 0.05' irreg.
								band at 2496.8'.
2497	1	2502	1	5	0	20	2	H, med, some c.g.; many small to large soft brn. C-S
								incls. 0.1' band at 2498.9'; few small gry A stringers
2502	1	2512	5	10	4	4	2	H, fairly clr, med to c.g.; some small brn C-S incls.
								grading out dwn to 2509.0' 4% C-S in remainder; few
								small gry A stringers.
2512	5	2514	9	2	4	55	3	C-S brn, soft, & H, med; 0.2' 80% C-S zone 2513.2,
								2514.0', 2514.4'. 0.1' white A band at top.
2514	9	2521	6	6	7	8	1	H, med., some C-S, brn., grading in dwn.; few v.
								small white A stringers.
2521	6	2525	2	3	6	5	-	H, med to v.c.g.; vcg in lower 1/3. Some C-S, brn.;
								occ. white A bleb.
2525	2	2525	8	0	6	65	4	C-S, brn, med soft; some H. med, grad. out dwn.;
								few med white A blebs.
2525	8	2534	3	8	5	1	4	H, med to c.g., clr to v.clr in lower 1/2.; several
								med white A stringers; numerous thin partings in
								lower 2'; few small brn C-S incls, grad. out dwn.

Form 3-A

DUVAL CORPORATION

Corelithology, Supplemental Page

L NO. DC-44

PAGE NO. 6

DEPTH (Feet) From		To		INTERVAL Feet		ESTIM. % Shale	P	DESCRIPTION
2534	3	2534	8	0	5	OA	55	A, white, & H f.g. to med. as numerous intergrowths
2534	8	2535	4	0	6	-	6	H, v.clr., med. to c.g. few white A stringers, thin
								parting at 2535.1', & 0.05' band at base.
2535	4	2538	6	3	2	4	2	H, med to c.g.; some small brn C-S incls.; few v.
								small white A stringers; thin C-S parting at top.
2538	6	2543	3	4	7	-	5	H, v.clr, med to c.g., several small to med white
								A stringers 0.35' 20% A zone at 2542.7', parting at
								2542.5'.; occ. small brn C-S incl in upper 1/3.
2543	3	2547	3	4	0	25	-	H, med; many lg. brn C-S incls & zones.
2547	3	2547	8	0	5	85	-	C-S, brn, med soft; some H, as irreg blebs & tan
								schistose fracture fillings.
2547	8	2556	7	8	9	2	4	H, clr, to med; few med brn C-S incls & white A
								stringers (Core very badly etched to about 2/3
								orig. dia.in this interval)
2556	7	2559	9	3	2	1	6	H, clr., f.g. to med. several small to large white
								A stringers. 0.1' band at 2558.3' ; few small brn
								C-S incls. 0.05' band at 2559.5'.
2559	9	2560	2	0	3	-	35	H, med & A H. gry. as numerous horiz. zones.
2560	2	2563	6	3	4	30	4	H, med, numerous v. large H. brn C-S zones.; 0.6' 80%
								zone at 2562.8'. few med to lg. white A zones.
2563	6	2574	7	11	1	3	1	H, clr, med to c.g., numerous v. small to med brn
								C-S incls, grading out dwn; v . few lg. white A
								stringers, thin partings at 2567.0', 2574.5.

DUVAL CORPORATION

Corelithology, Supplemental Page

L NO. DC - 44 PAGE NO. 7

DEPTH (Feet) From		To		INTERVAL Feet		ESTIM. % Shale	P	DESCRIPTION
2574	7	2577	2	2	5	55	-	C-S, brn, soft. , 0.4' band at base 0.3' 80% zones at 2575.0' & 2575.6', & H.g.g. to med., some tan schistose fracture fillings.
2577	2	2583	4	5	2	3	2	H, clr med to v.c.g., few small brn C-S incls grad. out dwn in upper 2.5'; few small gry. A stringers grad. in dwn.
2583	4	2586	6	3	2	-	4	H, clr, f.g. to c.g.; several med. white A stringers. 0.3' 10% zone at top.
2586	6	2588	2	1	6	4A	67	A, lt. gry. incr dwn from 35% to 100% at base; & H, med as med grains inupper half, f.g. intergrowths in remainder.
2588	2	2589	3	1	1	90	-	C-S, red-brn, med. soft; few h.f.g. incls & horiz schistose fracture fillings.
2589	3	2590	6	1	3	20	2	H, med, many lg. brn C-S indls. 0.1' band at base, few irreg white A stringers.
2590	6	2592	6	2	0	3	3	H, fairly clr, med to c.g.; few small brn. C-S incls. & white A stringers; irreg 0.05' A parting 2592.1'.
2592	6	2595	3	2	7	1	10	H, clr, c.g.; many small to lg. white A stringers & zones.; 0.05' partings at top, 2593.0' and 2594.3'; few small brn C-S incls. grading out dwn.
2596	0	2602	2	6	2	4	4	H, med. to c.g.; several small to med brn C-S incls & white A stringers; thin A parting at top, 2601.4'

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DUVAL CORPORATION

Corelithology, Supplemental Page

WELL NO. DC - 44

DEPTH (Feet) From		To		INTERVAL Feet		ESTIM. % Shale	P	DESCRIPTION
2602	2	2606	0	3	8	-	5	H, v. clr, c.g; several small to med white A stringers grad out dwn. 0.25' 30% zone at top.
2606	0	2606	5	0	5	35	8	H, f.g. to med. & C-S brn med. hard in fine g. mixture; several med. white A blebs.
2606	5	2608	1	1	6	-	6	H, clr., c.g.; numerous small white A stringers, thin gry. parting at 2607.0'; occ. small brn C-S incl.
2608	1	2611	4	3	3	25	4	H, f.g. to med.; many small to v. lg. C-S incls & zones incr. dwn from 6% to 60% at 2610.6', 12% in remaineder; some small white A stringers, thin parting at top.
2611	4	2613	1	1	7	8	2	H, med, many small brn C-S incls. few small white a stringers.
2613	1	2613	7	0	6	70	-	C-S, brn, med soft, some irreg med H blebs.
2613	7	2616	0	2	3	20	2	H, med to c.g.; many lg irreg brn C-S incls; few small white A blebs.
2616	0	2617	9	1	9	25	5	H, f.g. to c.g.; many v. large brn C-S incls, 0.2' band at 2616.9'; numerous small white A blebs, partings at 2620.2'
2617	9	2619	1	1	2	60	2	C-S, red brn, soft, decr dwn from 100% to 20% & H, c.g.; few small white A blebs.
2619	1	2620	6	1	5	10	45	A, H. gry. & H, f.g. to med.; numerous lg. brn C-S incls, parting at 2620.2'

DUVAL CORPORATION

Corelithology, Supplemental Page

NO. DC -44

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DEPTH (Feet) From		To		INTERVAL Feet		ESTIM. % Shale	P	DESCRIPTION
2620	6	2621	3	0	7	65	3	C-S , brn & H, med to c.g.; few small white A blebs
								grad out dwn.
2621	3	2630	7	9	4	3	6	H, med to c.g., fairly clr.; several small to lg.
								white A stringers & zones; few small C-S incls.
								grading into middle from either end.
2630	7	2635	7	5	0	12	2	H, med to c.g.; numerous small to v. lg. brn C-S
								incls; few small white A stringers 0.9' 30% C-S
								at top.
2635	7	2636	9	1	2	60	2	C-S, brn., med soft & H, med; few v. small white
								A blebs.
2636	9	2643	7	6	8	11	3	H, med to c.g.; several small to lg. brn C-S
								incls decr dwn from 20% to 2%, few small to lg.
								white A stringers.
2643	7	2647	7	4	0	1	4	H, clr, med to c.g., v. few small brn C-S incls.
								grad out in top half; few small white A stringers,
								0.1' 20% zone at 2647.0' & 0.2' at base.
2647	7	2654	0	6	3	2	3	H, clr, med to c.g.; several small to large brn.
								C-S incls grad out in top 2'; numerous small to
								med. white A stringers grad in dwn, thin parting at
								2651.6'
2654	0	2656	5	2	5	12	2	H, med. to c.g., many small to lg. brn C-S incls; few
								small white A stringers, 0.05' parting at top.

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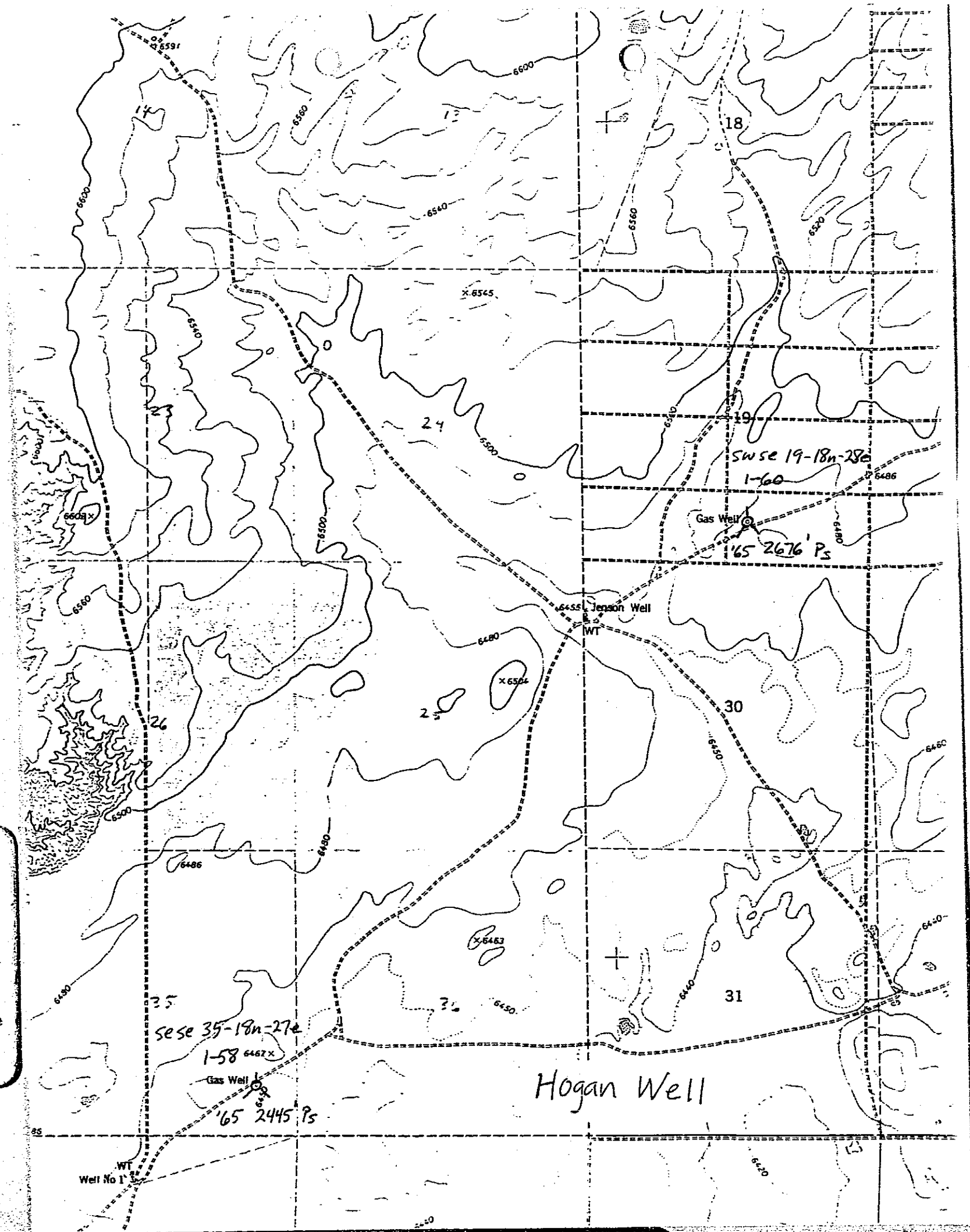
DEPTH (Feet) From		DEPTH (Feet) To		INTERVAL Feet		ESTIM. % Shale	ESTIM. % P	DESCRIPTION
2656	5	2659	2	2	7	65	2	C-S, brn, med. hard & H, c.g.; few small irreg white A blebs.
2659	2	2664	5	5	3	3	3	H, med to c.g, clr. in lower half; several small brn C-S incls, grad out dwn; several med white A stringers in lower 1/2, thin partings at 2663.9' & 2664.2'
2664	5	2666	1	1	6	60	5	C-S, brn, med. hard & H, f.g. to med., several lg. White A blebs.
2666	1	2676	1	10	0	5	3	H, med to c.g., some C-S brn. decr. dwn. from 8% to 2%. A 0.1' 60% zone at 2675.7'.; few small white A stringers 0.2' band at base.
2676	.	TOTAL DEPTH						Logged by Karl E. Elers


18
19
24
25
26
30
31
35
SWSE 19-18n-28e
1-60
Gas Well
'65 2676' Ps
Jenson Well
WT
SESE 35-18n-27e
1-58
Gas Well
'65 2445' Ps
Hogan Well
Well No 1
WT