

**WELL: LO16-31D**

### PALYNOLOGICAL ANALYSIS

**DEPTH:** 10662'

**ZONE:** V

**PROCESSING:**

Reaction of the sample to acids:

- Chlorhydric acid (10%): Strong
- Fluorhydric acid (70%): Strong
- Flotation: Double time

**FINDINGS:**

*Chart 1.* Palynomorphs content

PHOTO	MICRO SPECIE	QUANTITY	PERCENTAGE
A	<i>Diporites sp 1</i>	27	50
B	<i>Diporites sp 2</i>	10	19
C	<i>Deltoidospora sp</i>	4	7
D	<i>Hystrichospheridium sp</i>	4	7
E	<i>Polipodaceosporites sp 4</i>	3	6
F	<i>Peltandrapites sp</i>	2	4
G	<i>Porocolporopollenites sp 2</i>	1	2
H	<i>Tanyasphaeridium sp</i>	1	2
I	<i>Tetracolporopollenites sp</i>	1	2
J	<i>Syncolpites sp 3</i>	1	2

### DESCRIPTION

I have recognized 10 micro species and 54 palynomorphs.

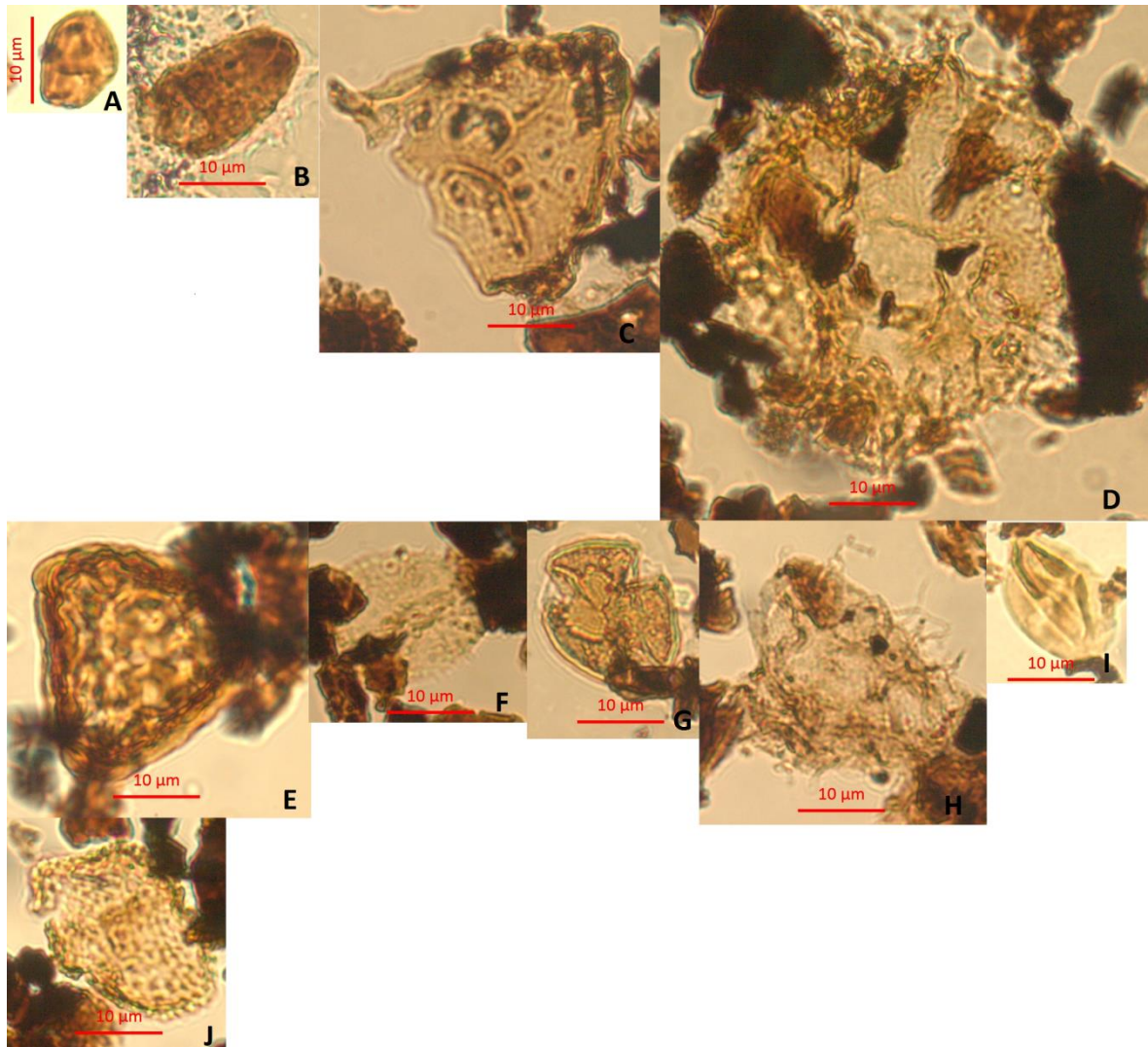
### DISCUSSION:

As I show in char 1, I have found 54 palynomorphs, most of them are in zone V (highlighted) also I have found palynomorphs from IV, VI, VII, VIII & IX zone, I think their presence is because of mud reuse or fallen.

### RESULTS:

This interval is in V zone.

**WELL: LO16-31D**



**PICTURE 1.** Palynomorphs

WELL: LO16-31D



CHART 2. Histogram



GEOLOGY LABORATORY  
SHEET CONTROL  
HISTOGRAM

WELL: LO16-31D MADE BY: Ing Dana Gutierrez			Tetracolporopollenites sp	Diporites sp 2	Syncolpites sp 3	Bombacacidites sp 11	Diporites sp 3	Diporites sp 1	Stephanoporites sp 3	Apiculatisporites sp	Porocolporopollenites sp	Peltandrapites sp	Bombacacidites sp 6	Verruca te trilete spore	Liliacidites sp	Tanaysphaeridium sp	Tripotopollenites sp 5	Reticulatisporites sp 1	Polipoda ceo sporites sp 4	Deltoideospora sp	Cerodinium sp	Bombacacidites aratacuarensis	Hystichospheridium sp	Paleovystodinium sp	Classopollis sp	Lycilae sp 1	Bombacacidites sp 6	Tetracolporopollenites sp	Granulatisporites sp	Bombacacidites sp 10	Verrucosisporites sp	Porocolporopollenites sp 2	ORGANIC MATERIAL COLOR 1 -. Pale Yellow 2 -. Yellow 3 -. Intense Yellow 4 -. Amber 5 -. Orange 6 -. Dark Orange 7 -. Brown		
N°	Sample type	Deepth	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	All	ZONE	
1	D.S.	9060'	14	11	9	8	5	4	3	2	1	1	1	1	1																		61	VI with V reworked zone	
2	D.S.	9290'-9300'		4		1		7		12		3	2	1		3	2	2	2	1	1	1	1											43	VI with V & IV reworked zone
3	D.S.	9530'		2				3		11		1				1			2	2			3	2	1	1	1	1						31	VI with V & IV reworked zone
4	D.S.	9740'		4						3		1													1									9	Undeterminable
5	D.S.	9940'		2		1		6		6									1															16	VI with V reworked zone
6	D.S.	10210'		6				3		6									3	1			1			1			3					24	VI with V reworked zone
7	D.S.	10420'					3	5		5										2					1					2				18	Tail V zone
8	D.S.	10580'		1			2	26	2	7				2			1		3	1					1					2	1			49	V zone
9	D.S.	10662	1	10	1			27				2				1			3	4			4									1		54	V zone
																																	305	TOTAL	