

# BIRD ENERGY, INC.

*Exploration and Consulting*

BOX 1612, DODGE CITY, KS 67801  
316-227-6041

June 16, 1987

John W. Wessels  
Bill McDonald  
Quintana Petroleum Corporation  
1050 - 17th Street - Suite 400  
Denver, Colorado 80265

Re: Quintana Petro. Corp.  
#1-24 Gabbert  
W/2 SW/4 Sec. 24-34S-24W  
Clark County, Kansas

Gentlemen:

Following is the pertinent information in connection with the above captioned well:

Contractor: Brandt Drlg.-Rig 2	Tool Pusher: Jack Kaiser
Spud: 6-3-87	Completed: 6-15-87
Surface: 801' - 8 5/8"	Long String: None
Mud: Baroid	Gas Detector: Payne Logging, Inc.
Loags: Welex	Testing: Western Testers
Elevation: 1924 KB	Drilling Time: 4100 - TD
Samples: 2300' - TD	Geologist: Louis S. Bird

Following is list of Tops by Samples and Electric Log:

<u>Formation</u>	<u>Sample Top</u>		<u>Electric Log Top</u>	
HEEBNER SHALE	4244	(-2320)	4241	(-2317)
TORONTO	4260	(-2336)	4258	(-2334)
DOUGLAS	4295	(-2371)	4291	(-2367)
LANSING	4432	(-2508)	4435	(-2511)
STARK SHALE	4933	(-3009)	4929	(-3005)
BASE/KANSAS CITY	5052	(-3128)	5047	(-3123)
MARMATON	5075	(-3151)	5074	(-3150)
CHEROKEE SHALE	5246	(-3322)	5242	(-3318)
BASE/INOLA	5397	(-3473)	5395	(-3471)
CHESTER	5487	(-3563)	5486	(-3562)
BASAL LIME (CHESTER)	5724	(-3800)	5719	(-3795)
TOTAL DEPTH	5800	(-3876)	5796	(-3872)

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ZONES OF INTEREST:

CHESTER 5497-5513

Limestone - tan, brown, crystalline to slightly crystalline, grainy, slightly fossiliferous, mostly tight, some fair crystalline porosity, some fair fluorescence, some very fine crystalline, w/fair crystalline and vuggy porosity, slightly chalky

Gas Readings:

Chromatograph = 92/24 units  
Hot Wire = 35/9 units

DRILL STEM TEST #1 5430-5524 (CHESTER)

	IHP	=	2736 psi
30"	IFP	=	93-83 psi
60"	ISIP	=	551 psi
90"	FFP	=	114 - 114 psi
180"	FSIP	=	1360 psi
	FHP	=	2620 psi

Blow: Strong throughout.

Recovered: 2450' GIP  
190' GCM

CONCLUSION: The only zone of interest that exhibited any development was the top of the Chester. After analysing the DST results, electric logs and samples, it was decided to plug and abandon this hole as dry.

Respectfully submitted,

*Louis S. Bird*  
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Bird Energy, Inc.