

3-33-21W

BIRD ENERGY, INC. X

Exploration and Consulting

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

December 27, 1985

QUINTANA PETROLEUM CORPORATION  
1050 17th Street - Suite 400  
Denver, Colo. 80265

Re: Quintana Petroleum Corp.  
#3-3 Edmonston  
SE SW Sec. 3-33S-21W  
Clark County, Kansas

Gentlemen:

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

Contractor: Aldebaran - Rig 2  
Spud: 12-12-85  
Surface: 606' - 8 5/8"  
Mud: Mudco-Inc.  
Logs: Schlumberger  
Elevation: 1905 KB  
Samples: 4000' to TD

Tool Pusher: Larry Harris  
Completed: 12-23-85  
Log String: 5385 - 5 1/2"  
Gas Detector: Payne Logging, Inc.  
Testing: Western Testing  
Drilling Time: 4000' to TD  
Geologist: Louis S. Bird

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State Geological Survey  
WICHITA BRANCH

Following is list of Tops by Samples & Electric Log:

<u>Formation</u>	<u>Sample Top</u>		<u>Electric Log Top</u>	
HEEBNER SHALE	4237	(-2332)	4238	(-2333)
TORONTO	4250	(-2345)	4252	(-2347)
LANSING	4434	(-2529)	4434	(-2529)
STARK SHALE	4851	(-2946)	4852	(-2947)
SWOPE	4860	(-2955)	4862	(-2957)
MARMATON	4980	(-3075)	4982	(-3077)
PAWNEE	5072	(-3167)	5072	(-3167)
FT. SCOTT	5109	(-3204)	5110	(-3205)
CHEROKEE SHALE	5125	(-3220)	5124	(-3219)

STATE COMMISSION

JAN 3 1986

CONSERVATION DIVISION  
Wichita, Kansas

QUINTANA PETROLEUM CORP.  
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TOPS (continued)

<u>Formation</u>	<u>Sample Top</u>	<u>Electric Log Top</u>
BASE/INOLA	5239 (-3334)	5240 (-3335)
MORROW SAND	5279 (-3374)	5284 (-3379)
ST. GEN.	5350 (-3445)	5348 (-3443)
TOTAL DEPTH*	5375 (-3470)	5375 (-3470)

\*After logging, drilled additional 10' before laying down drill pipe. Actual TD = 5385.

ZONES OF INTEREST:

TORONTO	4256-4262	Limestone - white, chalky, No gas kick, No show.
MORROW SAND (Upper <u>Lower</u> )	5284-5295	Sandstone-fine to medium grain, some coarse, sub-angular to sub-round, some clusters, friable, good show <u>free oil</u> , spotty fluorescence and staining.  Gas Reading: Hot Wire = 38/5 units

DRILL STEM TEST #1 5235-5300 (Upper Lower Morrow)

	IHP = 2712#
15"	IFP = 1329 - 1433#
30"	ISIP = 1821#
25"	FFP = 1402 - 1402#
120"	FSIP = 1821#
	FHP = 2659#

Blow: GTS = 4" into 1st opening  
Flowed oil 23" into 2nd opening  
(Gravity 38) -Reversed out after  
PULLING & STANDS OUT OF HOLE.  
No water observed.

MORROW SAND (Lower Lower) 5304-5311	Sandstone-white, calcareous, glauconitic, tite, mostly clusters, some <u>free oil</u> , spotty fluorescence AND STAINING. Gas Reading: Hot Wire = 64/32 units
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This zone should be evaluated during completion procedures.

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ZONES OF INTEREST (continued)

ST. GEN. (MISS.) 5350-5354 Sandstone-gray, fine grain,  
silty, dirty, glauconitic, tite,  
Mostly calcareous. No show.

CONCLUSIONS:

From sample observations, excellent drill stem results, and logging evaluations, it was decided to run production casing to further evaluate this well. This should be an outstanding oil producer.

Respectfully submitted,

*L. S. Bird*  
L. S. BIRD  
BIRD ENERGY, INC.

JAN 06 1970  
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WICHITA BRANCH