

BIRD ENERGY, INC.

Exploration and Consulting

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

12-35-23W
15-025-20983

June 2, 1987

Bill McDonald
Quintana Petroleum Corp.
1050 17th Street - Suite 400
Denver, Colorado 80265

**KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH**

Re: Quintana Petroleum Corp.
#1-12 Dune Ranch
NW SW SEC. 12-35S-23W
Clark County, Kansas

SEP 21 1987

Gentlemen:

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

Contractor: Murfin-Rig 19
Spud: 5-15-87
Surface: 799' - 8 5/8"
Mud: Baroid
Logs: Dresser-Atlas
Elevation: 1900 KB
Samples: 2300' - TD

Tool Pusher: M. Julian
Completed: 6-1-87
Long String: None
Gas Detector: Payne Logging, Inc.
Testing: None
Drilling Time: 4000' - 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	4348 (-2448)	4334 (-2434)
TORONTO	4371 (-2471)	4360 (-2460)
LANSING	4546 (-2646)	4528 (-2628)
STARK SHALE	5088 (-3188)	5074 (-3174)
SWOPE LS	5095 (-3195)	5078 (-3178)
HUSH SHALE	5144 (-3244)	5128 (-3228)
BASE/KANSAS CITY	5174 (-3274)	5160 (-3260)
MARMATON	5236 (-3336)	5220 (-3320)
PAWNEE	5349 (-3449)	5335 (-3435)
CHEROKEE SHALE	5414 (-3514)	5399 (-3499)

RECEIVED
STATE GEOLOGICAL SURVEY

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STATE GEOLOGICAL SURVEY
WICHITA, KANSAS

Geological Report
Quintana Petroleum Corp.
1050 17th Street - Suite 400
Denver, Colorado 80265

12-35-230

-2-

June 2, 1987

Tops by Samples and Electric Log (continued)

<u>Formation</u>	<u>*Sample Top</u>	<u>Electric Log Top</u>
BASE/INOLA	5570 (-3670)	5554 (-3654)
MORROW SHALE	5625 (-3725)	5606 (-3706)
CHESTER	5667 (-3767)	5660 (-3760)
BASAL LIME	5956 (-4056)	5950 (-4050)
TOTAL DEPTH	6000 (-4100)	5990 (-4090)

*NOTE: All sample Tops are 10 - 20' long
due to driller's tally error.

ZONES OF INTEREST:

CHESTER (Miss.)	5690-5720	Limestone - cream, tan, slightly crystalline to dense, some fossiliferous, slightly oolitic, <u>all</u> tite, chalky. No apparent porosity, No show, No Gas Kick.
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CONCLUSION: After evaluating the samples and electric log,
it was decided to plug and abandon this hole
as dry.

Respectfully submitted,

Louis S. Bird
Louis S. Bird *LF*
Bird Energy, Inc.

QUINTANA PETROLEUM CORPORATION
 #1-12 DUNE RANCH
 CLARK COUNTY, KANSAS

12-55-23W

ONE FOOT DRILLING TIME - PAGE ONE:

4300-4310	2-2-1-1-1-2-1-1-1-2	4700-4710	2-3-1-1-1-1-1-1-1-2
20	1-1-1-1-1-2-3-2-2-3	20	1-1-1-2-2-2-2-3-4-3
30	2-2-1-3-4-3-3-2-2-2	30	2-3-1-1-2-1-1-1-1-1
40	2-2-2-1-1-2-3-2-2-3	40	2-2-1-1-1-1-1-2-1-1
50	2-3-2-3-3-3-2-2-1-1	50	1-1-1-1-1-1-1-1-1-1
60	1-1-1-2-3-3-2-3-2-3	60	1-1-1-1-1-1-1-1-1-1
70	3-2-2-2-2-3-3-2-2-2	70	1-1-1-1-1-1-1-1-1-1
80	2-4-3-5-4-3-4-2-4-3	80	1-1-2-1-2-1-2-2-2-2
90	4-4-4-3-3-2-2-4-4-2	90	3-2-3-3-4-4-3-4-3-3
4400	5-4-3-3-4-3-2-4-4-4	4800	4-3-4-4-3-5-4-4-3-5
4400-4410	3-3-3-3-2-3-2-2-2-2	4800-4810	3-5-3-4-3-3-3-3-4-2
20	2-2-1-3-2-2-2-2-2-2	20	2-1-1-1-1-2-2-2-3-3
30	2-2-2-2-2-2-2-2-2-2	30	3-4-3-3-2-3-2-2-2-2
40	2-2-2-2-3-2-2-2-3-2	40	1-2-2-2-1-1-2-1-2-3
50	2-3-2-2-3-2-2-2-3-2	50	4-3-3-4-2-3-4-4-4-4
60	2-2-2-3-2-2-2-3-2-2	60	4-4-4-4-4-3-3-2-3-4
70	3-2-2-3-2-3-2-3-2-3	70	3-4-4-3-4-2-2-4-3-3
80	2-3-2-3-2-2-2-2-3-3	80	4-3-1-1-1-1-1-1-3-3
90	3-3-3-4-3-3-3-3-4-2	90	4-4-4-5-4-5-4-5-4-4
4500	3-2-2-3-2-2-2-2-3-3	4900	4-2-4-5-4-3-4-3-1-1
4500-4510	3-3-3-3-3-3-3-2-2-3	4900-4910	1-1-1-1-2-1-1-1-2-1
20	3-2-2-3-2-3-2-3-3-2	20	1-2-1-1-2-3-3-4-4-3
30	3-2-3-2-3-2-2-2-2-2	30	4-4-4-4-2-4-4-4-4-5
40	2-2-2-3-2-2-2-2-2-2	40	4-4-5-4-4-5-4-3-4-3
50	2-1-2-1-1-2-3-2-3-3	50	2-2-2-2-1-2-3-3-3-4
60	3-3-3-2-2-2-2-2-3-3	60	2-2-4-4-5-4-5-3-3-4
70	3-4-4-3-3-3-3-1-1-2	70	5-2-3-4-3-2-2-1-2-2
80	1-1-1-1-1-1-1-1-1-2	80	1-1-2-1-2-4-4-3-4-4
90	1-2-3-3-3-3-3-3-3-2	90	5-4-3-3-3-4-3-4-5-3
4600	4-3-3-3-3-4-3-4-3-3	5000	5-4-4-4-3-3-4-5-4-4
4600-4610	4-2-2-2-3-3-2-2-1-1	5000-5010	3-3-5-4-5-5-5-5-4-5
20	2-1-1-2-2-1-1-2-2-1	20	5-5-3-1-1-1-1-1-1-2
30	1-1-1-1-2-1-2-1-1-2	30	2-2-3-5-4-4-4-5-4-4
40	2-1-2-1-2-3-2-2-3-4	40	6-3-4-4-3-4-3-4-4-3
50	2-3-3-3-4-4-4-4-1-1	50	4-4-5-5-4-4-4-4-6-4
60	2-1-1-1-2-2-1-1-2-1	60	4-4-5-5-4-4-5-5-4-5
70	2-1-2-1-2-1-2-2-1-1	70	4-4-5-4-5-5-5-4-4-7
80	3-2-2-4-4-4-3-4-4-2	80	4-5-6-4-5-4-5-5-10-4
90	3-4-4-4-2-2-2-4-4-4	90	4-6-5-4-4-4-4-4-3-5
4700	4-4-3-3-1-2-2-1-1-1	5100	5-5-3-3-2-3-3-4-4-6

QUINTANA PETROLEUM CORPORATION
 #1-12 DUNNE RANCH
 CLARK COUNTY, KANSAS

12-35-55 ^{23W}

ONE FOOT DRILLING TIME - PAGE TWO:

5100-5110	5-5-4-3-4-6-4-3-5-6	5500-5510	6-8-6-6-7-6-6-5-5-5
20	5-5-3-5-7-5-5-4-3-2	20	4-3-3-3-4-2-6-5-5-6
30	2-3-3-4-5-5-5-6-5-5	30	3-3-3-5-5-5-5-6-6-6
40	6-5-6-7-6-5-6-5-7-8	40	5-5-4-4-4-2-3-3-7-5
50	6-6-3-2-3-2-2-3-3-6	50	7-6-5-5-6-6-5-3-5-4
60	3-6-6-6-5-6-6-5-3-4	60	3-4-5-4-5-4-5-4-3-4
70	4-4-4-4-4-6-6-6-7-7	70	2-3-4-4-4-5-4-4-4-6
80	7-6-7-6-4-4-5-6-5-6	80	3-3-4-4-2-2-4-2-4-4
90	5-5-7-6-6-6-6-6-6-6	90	4-7-5-5-4-6-4-3-4-5
5200	6-6-5-6-6-6-7-6-6-7	5600	5-6-6-5-5-6-5-6-5-6
5200-5210	6-6-7-7-6-7-5-6-3-3	5600-5610	4-5-3-3-5-5-3-3-3-3
20	4-6-6-6-6-7-5-5-5-6	20	3-5-5-3-2-2-2-6-6-3
30	6-6-5-7-5-7-5-6-7-6	30	3-2-2-2-1-2-2-2-4-4
40	7-6-3-5-5-2-4-4-4-4	40	3-3-3-4-4-4-4-5-4-3
50	4-5-5-5-4-6-4-3-4-4	50	5-4-4-6-5-5-3-3-4-3
60	4-5-5-4-5-4-5-4-4-5	60	3-5-4-6-6-6-5-4-3-3
70	5-5-4-5-5-5-3-5-5-5	70	3-3-4-4-3-4-5-7-7-6
80	6-5-6-4-4-5-5-5-6-4	80	5-6-7-6-6-4-5-5-3-4
90	4-4-4-5-3-5-6-6-6-6	90	4-3-5-5-2-4-3-5-3-5
5300	6-8-6-6-7-6-3-1-1-1	5700	6-6-4-5-6-5-5-6-5-5
5300-5310	2-2-4-3-5-3-3-2-4-	5700-5710	7-5-4-3-3-3-4-4-4-4
20	- - -3-3-4-4-5-5-4	20	4-3-3-3-3-2-3-3-3-4
30	5-5-5-5-5-5-5-4-4-4	30	3-4-3-4-5-5-5-5-4-4
40	4-4-4-4-4-5-4-4-2-3	40	5-4-4-3-3-4-5-4-2-2
50	3-3-3-5-5-5-5-3-3-6	50	2-2-3-4-4-6-7-6-5-3
60	7-5-6-6-7-6-6-7-6-5	60	2-3-6-7-7-7-7-3-4-5
70	5-5-6-5-3-2-3-3-3-3	70	5-4-5-5-4-4-4-3-4-3
80	2-3-4-5-4-5-5-5-5-4	80	2-4-4-4-4-4-5-5-6-5
90	5-5-5-5-5-6-6-7-6-7	90	5-7-5-5-4-4-3-4-6-6
5400	8-3-5-5-5-3-3-7-7-6	5800	6-4-5-4-5-3-2-5-3-4
5400-5410	8-7-6-6-7-6-8-6-7-7	5800-5810	4-3-4-4-4-5-3-3-3-3
20	6-6-7-7-3-3-3-5-6-6	20	3-3-4-3-3-4-4-4-2-4
30	6-6-3-3-4-6-7-6-7-7	30	4-3-3-4-3-4-4-4-3-4
40	6-7-8-6-5-8-6-6-7-6	40	4-4-3-2-2-2-1-1-3-5
50	6-7-7-5-6-6-6-5-6-6	50	3-2-4-4-3-4-4-5-3-4
60	6-4-5-6-3-2-3-3-5-5	60	4-4-4-5-4-5-5-4-3-5
70	5-7-7-6-7-5-7-5-7-6	70	5-5-4-4-4-4-5-5-4-4
80	6-4-6-5-6-6-7-7-6-7	80	5-5-5-6-5-4-6-6-6-4
90	6-5-4-4-7-4-3-5-6-5	90	5-4-4-4-4-4-2-3-2-2
5500	7-6-8-7-6-6-6-6-6-6	5900	2-5-5-4-5-4-6-4-7-5

KANSAS GEOLOGICAL SURVEY
 WICHITA BRANCH

SEP 21 1987

QUINTANA PETROLEUM CORPORATION
#1-12 DUNNE RANCH
CLARK COUNTY, KANSAS

12-35-23W •

ONE FOOT DRILLING TIME - PAGE THREE:

5900-5910	5-5-5-5-6-5-6-5-6-5
20	4-5-4-4-4-2-3-3-2-4
30	6-5-6-5-5-5-4-5-5-7
40	6-4-3-3-3-2-3-4-4-4
50	3-6-8-7-6-5-5-6-5-4
60	5-4-3-3-5-4-6-5-5-3
70	5-5-3-3-5-5-6-4-4-5
80	3-3-3-5-5-5-5-6-5-7
90	5-6-7-4-5-5-4-5-4-6
6000	6-5-7-5-8-7-6-4-6-5