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Quinoco Petroleum, Inc.
 Huck 'A' #11
 NE-SE-NW; Section 31-11S-20W
 Ellis County, Kansas

5½" PRODUCTION CASING SET

CONTRACTOR: Red Tiger Drilling (Rig #7)
 COMMENCED: July 22, 1989
 COMPLETED: July 30, 1989
 ELEVATIONS: 2233' K.B. 2231' D.F. 2228' G.L.
 MEASUREMENTS: All measurements from Kelly Bushing.
 CASING PROGRAMS: Surface; 8 5/8" @ 262
 Production; 5½" @ 3899
 SAMPLES: Samples saved and examined 3100 to R.T.D.
 DRILLING TIME: Drilling time recorded and kept 3100 to R.T.D.
 FORMATION TESTING: There were three (3) tests run by Trilobite Testing.
 ELECTRIC LOG: Schlumberger; Dual Induction-SFL, Compensated Neutron-formation Density, Microlog, and Cyberlook.

<u>FORMATION</u>	<u>LOG DEPTH</u>	<u>SUB-SEA DATUM</u>
Anhydrite	1649	+584
Topeka	3251	-1018
Heebner	3469	-1236
Toronto	3491	-1258
Lansing	3506	-1273
Base Kansas City	3715	-1482
Marmaton	3755	-1522
Conglomerate	3768	-1535
Arbuckle	3802	-1569
Rotary Total Depth	3900	-1667
Log Total Depth	3900	-1667

(All zones and tops corrected to log measurements)

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

TOPEKA SECTION

3251-3257' Limestone; tan, finely crystalline, dense; no shows.

3274-3284' Limestone; buff, dolomitic, sucrosic, scattered intercrystalline to pin point porosity; no shows.

3328-3344' Limestone; beige to brown, dolomitic, plus brown dolomite, finely crystalline, fair pin point to vugular type porosity; no shows.

3362-3367' Limestone; white, chalky, poor porosity; no shows.

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- 3371-3381' Limestone; cream to gray, highly fossiliferous, chalky in part; no shows.
- 3413-3418' Limestone; gray to tan, slightly fossiliferous, few granular cherty in part, fair pin point porosity, spotty golden brown stain; show free oil (weak) odor samples broken.
- 3442-3450' Limestone; white, fossiliferous, slightly cherty, questionable discoloration; no show of free oil or odor in fresh samples.
- 3456-3468' Limestone; gray to cream, slightly cherty, dense, plus white boney chert.
- TORONTO SECTION
- 3491-3494' Limestone; cream to white, slightly cherty, plus trace white chert.
- LANSING SECTION
- 3506-3510' Limestone; cream to white, oolitic, oocastic, chalky in part, brown to golden brown spotty stain; show of free oil and no odor in fresh samples.
- 3544-3550' Limestone; gray to cream, finely crystalline, slightly cherty, few fossiliferous, scattered pin point to vugular type porosity, spotty golden brown to dark brown stain and saturation; show of free oil and fair odor in fresh samples.
- 3563-3567' Limestone; white, slightly chalky, poor visible porosity, spotty stain; show of free oil and faint odor in fresh samples.
- 3579-3586' Limestone; gray, oolitic, fair to good vugular type porosity, brown to black stain and saturation; fair show of free oil and faint odor in fresh samples.
- 3589-3595' Limestone; as immediately above, fair stain and saturation; show of free oil and faint odor.
- 3599-3608' Limestone; white to gray, slightly fossiliferous, poorly developed porosity; no shows.
- 3642-3656' Limestone; cream to tan, finely crystalline, fossiliferous, poor visible porosity, plus gray to white boney chert. No shows.
- 3656-3665' Limestone; gray, fossiliferous, chalky increasingly cherty, brown to black edge staining; weak show of free oil and no odor in fresh samples.
- 3680-3691' Limestone; gray, finely crystalline, fossiliferous, good intercrystalline to vugular type porosity, fair to good stain and saturation; show of free oil and no odor in fresh samples.
- 3698-3704' Limestone; gray to white, fossiliferous, granular, fine to medium crystalline, fair pin point to

crystalline porosity, fair brown stain and saturation (few 100%); show of free oil and questionable odor in fresh samples.

DRILL STEM TEST #1 3671-3720'

Open: I.F. 30"
F.F. 60"

Blow: Weak, steady

Recovery: 10' Clean oil.
45' Oil cut mud.
60' Slightly oil cut mud
to oil cut mud, trace water.

Pressures: ISIP 775 psi (60")
FSIP 775 psi (120")
IFP 2244 psi
FFP 56-67 psi
HSH 1917-1895 psi

MARMATON SECTION

3755-3768' Limestone; white, sandy, chalky, poor visible porosity; plus gray to purple pink; chalky and cherty limestone.

CONGLOMERATE SECTION

3768-3789' Varied colored chalky and cherty limestone in matrix of varied colored shale.

3789-3796' Sand; white, very fine-grained; sub rounded; fair sorting, fair intergranular porosity; no shows; plus limestone; white, chalky, dense; plus white boney chert.

ARBUCKLE SECTION

3802-3810' Dolomite; tan to beige, fine to medium crystalline, few sucrosic, fair pin point to intercrystalline porosity, trace vugular type porosity, good brown stain and saturation; fair show of free oil and good odor in fresh samples. Trace white oolitic chert.

3810-3815' Dolomite; as immediately above, fair intercrystalline porosity, good stain and saturation; fair show of free oil; good odor.

DRILL STEM TEST #2 3804-3815'

Open: I.F. 30"
F.F. 60"

Blow: Weak to good.

Recovery: 150' gas in pipe
120' clean gassy oil
90' oil cut water (70%oil; 30% water)
300' water, oil specks throughout

Pressures: ISIP 995 psi (60")
FSIP 984 psi (120")
IFP 56-156 psi
FFP 211-278 psi
HSH 1928-1895 psi

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3815-3825' Dolomite; gray, medium crystalline, fair intercrystalline to vugular type porosity, fair stain and saturation; show of free oil and fair odor in fresh samples. Trace tan, oocastic dolomite, fair porosity; fair stain and saturation; show of free oil.

DRILL STEM TEST #3 3815-3825'

Open: I.F. 30"
F.F. 60"

Blow: Good to strong

Recovery: 5' clean, gassy oil
45' oil cut water (10% oil; 90% water)
825' very slightly oil cut to oil specked water (3-5% oil; 95-97% water)
825' water (oil specks throughout)

Pressures: ISIP 1012 psi (60")
FSIP 1012 psi (60")
IFP 107-481 psi
FFP 534-704 psi

3830-3840' Dolomite; gray, medium crystalline, good intercrystalline to vugular porosity, fair to good stain and saturation; fair show of free oil and good odor in fresh samples.

3849-3856' Dolomite; gray to white, fine to medium crystalline, fair porosity; black to brown stain and saturation; show of free oil (50% live; 50% dead), plus gray to pink, slightly cherty, dense dolomite.

3859-3867' Dolomite, as above; gilsonitic stain, show of free oil (tarry) and faint odor in fresh samples.

3873-3883' Dolomite; gray to white, pink, medium crystalline, slightly cherty, scattered porosity, black tarry stain; show free oil (tarry) (dead) and faint odor in fresh samples.

3883-3900' Dolomite, as above; good intercrystalline porosity, plus white opaque chert; no shows.

Rotary Total Depth 3900 (-1667)
Log Total Depth 3900 (-1667)

RECOMMENDATIONS: On the basis of the favorable structural position and the positive results of the drill stem tests, it was recommended that 5½" production casing be set and cemented @ 3899 (one foot off bottom) to further test the following zones:

1) Arbuckle 3803-3806 perforate

The following zones should be tested if the Arbuckle from 3803-3806 is non-commercial:

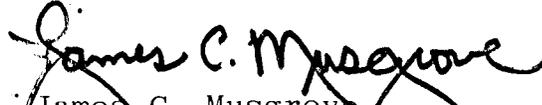
2) Arbuckle 3808-3810
3) Arbuckle 3830-3832

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| 4) | Lansing | 3698-3705 |
| 5) | Lansing | 3680-3689 |
| 6) | Lansing | 3588-3591 |
| 7) | Lansing | 3579-3585 |

Respectfully submitted,


James C. Musgrove
Petroleum Geologist

JCM:ac