

JAMES C. MUSGROVE
Petroleum Geologist
1008 Roosevelt
Great Bend, Kansas 67530

Office Phone 792-7716

Quinoco Petroleum, Inc.
Huck 'A' #15
NW-NW-NW; Section 31-11S-20W
Ellis County, Kansas

5 1/2" PRODUCTION CASING SET

CONTRACTOR: Red Tiger Drilling Company (Rig #5)
COMMENCED: 5-28-90
COMPLETED: 6-6-90
ELEVATIONS: 2275' K.B., 2272' D.F., 2270' G.L.
CASING PROGRAMS: Surface: 8 5/8" @ 272'
Production: 5 1/2" @ 3975'
MEASUREMENTS: All depths measured from the Kelly
Bushing.
SAMPLES: Samples saved and examined 3100' to
the R.T.D.
DRILLING TIME: One (1) foot drilling time recorded
and kept 3100' to the R.T.D.
FORMATION TESTING: There were three (3) drill stem tests
run by Trilobite Testing.
ELECTRIC LOG: By Halliburton Logging Services: Dual
Induction Laterolog, Comp. Density
Dual Spaced Neutron II Log, Micro
Log and Coral Log.

<u>FORMATION</u>	<u>LOG DEPTH</u>	<u>SUB-SEA DATUM</u>
Anhydrite	1689	+ 586
Elmont	3117	- 842
Howard	3229	- 954
Severy	3248	- 973
Topeka	3293	-1018
Heebner	3511	-1236
Toronto	3535	-1260
Lansing	3548	-1273
Base Kansas City	3756	-1481
Marmaton	3800	-1525
Conglomerate	3814	-1539
Conglomerate Chert	3837	-1562
Arbuckle	3854	-1579
Rotary Total Depth	3976	-1701
Log Total Depth	3976	-1701

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

TOPEKA SECTION

3319-3327 Limestone; tan to gray, sucrosic, oocastic,
good oocastic porosity; no shows.

3341-3346 Limestone; tan, finely crystalline, cherty,
poor visible porosity; no shows.

Quinoco Petroleum, Inc.
Huck 'A' #15
NW-NW-NW; Section 31-11S-20W
Ellis County, Kansas

Page Two

3359-3363 Limestone; gray to tan, fossiliferous, scattered porosity; no shows.

3370-3385 Limestone; gray to beige, highly dolomitic, sucrosic in part, good pin point to intercrystalline stain; no show of free oil or odor in fresh samples.

"LECOMPTON"
3412-3415 Limestone; gray to cream, fossiliferous, finely crystalline, good intercrystalline
3418-3421 to vugular-type porosity, fair brown stain and saturation; fair show of free oil and no odor in fresh samples.

3438-3443 Limestone; white to cream, cherty, poor visible porosity, trace brown stain; no show of free oil or odor in fresh samples.

"PLATTSMOUTH"
3455-3461 Limestone; gray to cream, highly fossiliferous, good vugular-type porosity, good brown to golden brown stain and saturation; ~~fair to good show of free oil and fair odor in fresh samples.~~

3474-3479 Limestone; gray, mottled, few chalky; no shows.

3498-3508 Limestone; gray to tan, few fossiliferous, chalky; no shows.

TORONTO SECTION
3535-3540 Limestone; white to cream, chalky, poor visible porosity; no shows.

LANSING SECTION
3550-3556 Limestone; cream, slightly fossiliferous, chalky, plus abundant gray to white chert; no shows.

3558-3564 Limestone and chert, as above; no shows.

3585-3591 Limestone; gray to white, fossiliferous, chalky, scattered vugular-type porosity, brown to golden brown stain; show of free oil and faint odor in fresh samples.

3604-3610 Limestone; cream to gray, oolitic, slightly chalky, fair intercrystalline to vugular-type porosity, golden brown to brown stain; show of free oil and fair odor in fresh samples.

3622-3628 Limestone; beige, fossiliferous, fossil fragments, good porosity, good dark brown stain and saturation; show of free oil and faint odor in fresh samples.

Quinoco Petroleum, Inc.
Huck 'A' #15
NW-NW-NW; Section 31-11S-20W
Ellis County, Kansas

Page Three

3632-3638 Limestone; gray to white, oolitic, fair to good porosity, gray to brown stain and saturation; fair show of free oil and fair odor in fresh samples.

DRILL STEM TEST #1 - 3570-3640

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

Flow: Strong

Recovery: 310' gas in pipe
30' very slightly oil cut mud
(10% oil; 90% mud)
375' muddy gassy oil
(80% oil, 4% water, 16% mud)

Pressures: ISIP 276 psi (60")
FSIP 276 psi (120")
IFP 98-148 psi
FFP 107-217 psi
HSH 1855-1855 psi

3644-3653 Limestone; white to gray, fine to medium crystalline, few fossiliferous, poor to fair intercrystalline porosity, black stain and saturation; trace free oil (black) and no odor in fresh samples.

3686-3691 Limestone; gray to white, finely crystalline, few granular, slightly chalky, scattered pin point porosity, brown stain and saturation; show of free oil and no odor in fresh samples.

3708-3713 Limestone; gray to white, fossiliferous, few chalky, fair porosity, dull gray to brown stain and saturation; show of free oil and fair odor in fresh samples.

3724-3730 Limestone; gray to brown, sucrosic, finely crystalline, slightly dolomitic, fair to good stain and saturation; fair show of free oil and faint odor in fresh samples.

3740-3745 Limestone; fossiliferous, abundant fossil fragments, intercrystalline to vuggy-type porosity, dull gray to brown stain and saturation; fair to good show of free oil and faint odor in fresh samples. Few pieces granular.

DRILL STEM TEST #2 - 3714-3760

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

Quinoco Petroleum, Inc.
Huck 'A' #15
NW-NW-NW; Section 31-11S-20W
Ellis County, Kansas

Page Four

Drill Stem Test #2 - Continued

Blow: None
Recovery: 15' mud
Pressures: ISIP 621 psi (45")
FSIP 572 psi (45")
IFP 49-49 psi
FFP 59-59 psi
HSH 1894-1855 psi

MARMATON SECTION

3800-3808 Limestone; rose to purplish gray, chalky increasingly cherty, few sand inclusions, trace gray to orange chert; no shows.
3808-3814 Limestone, as above; trace gray fossiliferous limestone, questionable stain; no show of free oil or odor in fresh samples.

CONGLOMERATE SECTION

3837-3850 Chert; tan to beige, opaque, few boney, trace cream dolomitic chert, scattered pyrite, black stain; no show of free oil or odor in fresh samples.

ARBUCKLE SECTION

3854-3857 Dolomite; tan to brown, medium to coarse crystalline, few cherty, fair porosity, golden brown to dark brown stain; show of free oil and fair odor in fresh samples.
3857-3862 Dolomite; cream to beige, finely crystalline, scattered vugular-type porosity, brown to dark brown stain; show of free oil, fair odor, trace beige, sucrosic dolomite, scattered pin point porosity and fair stain.
3868-3874 Dolomite; gray, finely crystalline, highly sucrosic, good intercrystalline to pin point porosity, good brown stain and saturation; good show of free oil and strong odor in fresh samples.

DRILL STEM TEST #3 - 3866-3875

Open: I.F. 30"
F.F. 90"
Blow: Weak intermittent initial flow, flush tool final flow, good to strong blow.

Quinoco Petroleum, Inc.
Huck 'A' #15
NW-NW-NW; Section 31-11S-20W
Ellis County, Kansas

Page Five

Drill Stem Test #3 - Continued

Recovery: 60' gas in pipe
300' clean gassy oil
150' slightly mud cut gassy watery oil
(22% water, 73% oil, 5% mud)
30' oil cut muddy water
(35% water, 10% oil, 55% mud)
60' water, traces of oil

Pressures: ISIP 326 psi (60")
FSIP 326 psi (120")
IFP 29-69 psi*
FFP 108-256 psi
HSH 1992-1972

* Slight plugging action IFP

3881-3889 Dolomite; tan to gray, medium crystalline, slightly sucrosic, fair to good intercrystalline porosity, fair to good stain; show of free oil and good odor in fresh samples.

3891-3899 Dolomite; tan, oocastic, fair oocastic porosity, spotty to even stain; show of free oil, faint odor in fresh samples.

3901-3906 Dolomite; gray, medium crystalline, fair intercrystalline porosity, dull gray to brown stain and saturation; show of free oil and faint odor. Trace pink, slightly cherty, dense, dolomite.

3911-3919 Dolomite, as above; decreasing stain; show of free oil, faint odor.

3921-3938 Dolomite; gray, medium crystalline, fair to good intercrystalline porosity, trace black stain; no show of free oil or odor. Plus abundant gray to smokey gray chert.

3954-3968 Dolomite; gray to white, medium to coarse crystalline, fair to good intercrystalline porosity; no shows.

3970-3976 Dolomite; white to cream, medium to coarse crystalline, good intercrystalline porosity; no shows.

ROTARY TOTAL DEPTH: 3976 (-1701)

LOG TOTAL DEPTH: 3976 (-1701)

RECOMMENDATIONS

On the basis of the favorable structural position and the

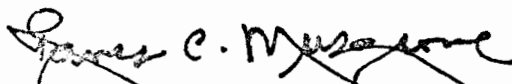
Quinoco Petroleum, Inc.
Huck 'A' #15
NW-NW-NW; Section 31-11S-20W
Ellis County, Kansas

Page Six

positive results of Drill Stem Test #1 and #3, it was recommended that 5 1/2" production casing be set on the Huck 'A' #15 to further test the following zones:

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|-------------|-----------|------------|-----------|
| 1) Arbuckle | 3885-3889 | 5) Lansing | 3632-3636 |
| 2) Arbuckle | 3868-3874 | 6) Lansing | 3586-3590 |
| 3) Arbuckle | 3859-3864 | 7) Topeka | 3418-3421 |
| 4) Lansing | 3730-3734 | 8) Topeka | 3412-3415 |

Respectfully submitted,


James C. Musgrove
Petroleum Geologist

JCM:ac