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GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY Coral Production Corp.
LEASE #24-33D Rath-Newman
FIELD Wildcat
LOCATION 870' FSL, 1410' FWL SW4
SEC 33 TWP 7S RGE 27W
COUNTY Cheyenne STATE Kansas
CONTRACTOR Duke Drilling Rig #4
SPUD 11/26/2012 COMP 12/1/2012
RTD 3420' LTD 3420'
MUD UP None TYPE MUD Chemical

SAMPLES SAVED FROM 3000' TO RTD
DRILLING TIME KEPT FROM 3000' TO RTD
SAMPLES EXAMINED FROM 3000' TO RTD
GEOLOGICAL SUPERVISION FROM 3000' TO RTD
GEOLOGIST ON WELL Tim J. Lauer

FORMATION TOPS | ELECTRIC LOG | SAMPLE LOG

Arbuckle	3412 (-1529)	3412 (-1529)
Simpson	3400 (-1517)	3400 (-1517)
Lansing	3168 (-1285)	3167 (-1284)
Kansas City	2938 (-1055)	2938 (-1055)
Marmaton	2796 (-913)	2796 (-913)
Cherokee Shale	2722 (-839)	2722 (-839)
Atoka Shale	2670 (-787)	2670 (-787)
Mississippi	3007 (-1760)	3007 (-1760)
Kinderhook	3407 (-1760)	3407 (-1760)
Total Depth	3420' (-1842)	3420' (-1842)

ELEVATIONS
KB 3432'
DF
GL 3419'
Measurements are from KB
unless otherwise noted

CASING
CONDUCTOR 8 5/8" @ 244'
PRODUCTION None

ELECTRICAL SURVEYS
Nabors Well SERVICES, OK, IN, KS
Dual Ind. Comp. Density/Neutron

DST RECORD
DRILL STEM TESTS
NONE

VERTICAL SURVEYS
0 @ 244'
1/2 @ 1000'
1/2 @ 2000'
1/2 @ 3000'
1/2 @ 3420' TD

11/26/2012 - 8:00 AM
Rig up Duke Drilling Rig #4

11/26/2012 - 7:00 AM
Spud well

11/27/2012 - 7:00 AM
Drilling ahead

11/28/2012 - 7:00 AM
Drilling ahead

11/29/2012 - 7:00 AM
Drilling ahead

11/30/2012 - 7:00 AM
Drilling ahead

12/1/2012 - 7:00 AM
Drilling ahead

12/2/2012 - 7:00 AM
Drilling ahead

12/3/2012 - 7:00 AM
RTD 3420'
Rig up Nabors Well Service
Run Dual Ind. Comp. Density/Neutron

12/4/2012 - 7:00 AM
Run 5 1/2" production casing
Release rig

LEGEND

Sample Shows | Gamma Ray | Resistivity | Porosity | Trace Elements

DRILLING TIME IN Minutes per 5 feet
Base Kansas City

SAMPLE DESCRIPTION

3000 - 3005 sh gy, blk, tr ls, scm
3005 - 3010 sh gy, blk, tr ls, scm

3010 - 3015 sh gy, blk, tr ls, scm

3015 - 3020 sh gy, blk, tr ls, scm

3020 - 3025 sh gy, blk, tr ls, scm

3025 - 3030 sh gy, blk, tr ls, scm

3030 - 3035 sh gy, blk, tr ls, scm

3035 - 3040 sh gy, blk, tr ls, scm

3040 - 3045 sh gy, blk, tr ls, scm

3045 - 3050 sh gy, blk, tr ls, scm

3050 - 3055 sh gy, blk, tr ls, scm

3055 - 3060 sh gy, blk, tr ls, scm

3060 - 3065 sh gy, blk, tr ls, scm

3065 - 3070 sh gy, blk, tr ls, scm

3070 - 3075 sh gy, blk, tr ls, scm

3075 - 3080 sh gy, blk, tr ls, scm

3080 - 3085 sh gy, blk, tr ls, scm

3085 - 3090 sh gy, blk, tr ls, scm

3090 - 3095 sh gy, blk, tr ls, scm

3095 - 3100 sh gy, blk, tr ls, scm

3100 - 3105 sh gy, blk, tr ls, scm

3105 - 3110 sh gy, blk, tr ls, scm

3110 - 3115 sh gy, blk, tr ls, scm

3115 - 3120 sh gy, blk, tr ls, scm

3120 - 3125 sh gy, blk, tr ls, scm

3125 - 3130 sh gy, blk, tr ls, scm

3130 - 3135 sh gy, blk, tr ls, scm

3135 - 3140 sh gy, blk, tr ls, scm

3140 - 3145 sh gy, blk, tr ls, scm

3145 - 3150 sh gy, blk, tr ls, scm

3150 - 3155 sh gy, blk, tr ls, scm

3155 - 3160 sh gy, blk, tr ls, scm

3160 - 3165 sh gy, blk, tr ls, scm

3165 - 3170 sh gy, blk, tr ls, scm

3170 - 3175 sh gy, blk, tr ls, scm

3175 - 3180 sh gy, blk, tr ls, scm

3180 - 3185 sh gy, blk, tr ls, scm

3185 - 3190 sh gy, blk, tr ls, scm

3190 - 3195 sh gy, blk, tr ls, scm

3195 - 3200 sh gy, blk, tr ls, scm

3200 - 3205 sh gy, blk, tr ls, scm

3205 - 3210 sh gy, blk, tr ls, scm

3210 - 3215 sh gy, blk, tr ls, scm

3215 - 3220 sh gy, blk, tr ls, scm

3220 - 3225 sh gy, blk, tr ls, scm

3225 - 3230 sh gy, blk, tr ls, scm

3230 - 3235 sh gy, blk, tr ls, scm

3235 - 3240 sh gy, blk, tr ls, scm

3240 - 3245 sh gy, blk, tr ls, scm

3245 - 3250 sh gy, blk, tr ls, scm

3250 - 3255 sh gy, blk, tr ls, scm

3255 - 3260 sh gy, blk, tr ls, scm

3260 - 3265 sh gy, blk, tr ls, scm

3265 - 3270 sh gy, blk, tr ls, scm

3270 - 3275 sh gy, blk, tr ls, scm

3275 - 3280 sh gy, blk, tr ls, scm

3280 - 3285 sh gy, blk, tr ls, scm

3285 - 3290 sh gy, blk, tr ls, scm

3290 - 3295 sh gy, blk, tr ls, scm

3295 - 3300 sh gy, blk, tr ls, scm

3300 - 3305 sh gy, blk, tr ls, scm

3305 - 3310 sh gy, blk, tr ls, scm

3310 - 3315 sh gy, blk, tr ls, scm

3315 - 3320 sh gy, blk, tr ls, scm

3320 - 3325 sh gy, blk, tr ls, scm

3325 - 3330 sh gy, blk, tr ls, scm

3330 - 3335 sh gy, blk, tr ls, scm

3335 - 3340 sh gy, blk, tr ls, scm

3340 - 3345 sh gy, blk, tr ls, scm

3345 - 3350 sh gy, blk, tr ls, scm

3350 - 3355 sh gy, blk, tr ls, scm

3355 - 3360 sh gy, blk, tr ls, scm

3360 - 3365 sh gy, blk, tr ls, scm

3365 - 3370 sh gy, blk, tr ls, scm

3370 - 3375 sh gy, blk, tr ls, scm

3375 - 3380 sh gy, blk, tr ls, scm

3380 - 3385 sh gy, blk, tr ls, scm

3385 - 3390 sh gy, blk, tr ls, scm

3390 - 3395 sh gy, blk, tr ls, scm

3395 - 3400 sh gy, blk, tr ls, scm

3400 - 3405 sh gy, blk, tr ls, scm

3405 - 3410 sh gy, blk, tr ls, scm

3410 - 3415 sh gy, blk, tr ls, scm

3415 - 3420 sh gy, blk, tr ls, scm

REMARKS

REMARKS

Due to drill stem test results, and log evaluation, operator elected to plug and abandon the #24-33D Rath-Newman well as a dry hole. Note, Morrow, 2017 interval, 2 downhole is metal ring measurements.

Respectfully submitted,
Tim J. Lauer
PETROLOGIST

DST (1) 3000' - 3017'
30-45-60-90
Recovered 60' mud
IFP 30-30
ISIP 1017
FFP 30-30
FSIP 1017
BHT 104°F

1st Morrow sd
DST (2) 3015' - 3037'
30-45-60-90
Recovered 120' mud
IFP 30-30
ISIP 1017
FFP 30-30
FSIP 1017
BHT 104°F

DST (3) 3035' - 3070'
30-45-60-90
Recovered 60' mud
IFP 30-30
ISIP 1017
FFP 30-30
FSIP 1017
BHT 104°F

DST (4) 3067' - 3100'
30-45-60-90
Recovered 60' mud
IFP 30-30
ISIP 1017
FFP 30-30
FSIP 1017
BHT 104°F

DST (5) 3095' - 3120'
30-45-60-90
Recovered 60' mud
IFP 30-30
ISIP 1017
FFP 30-30
FSIP 1017
BHT 104°F

DST (6) 3120' - 3145'
30-45-60-90
Recovered 60' mud
IFP 30-30
ISIP 1017
FFP 30-30
FSIP 1017
BHT 104°F

DST (7) 3145' - 3170'
30-45-60-90
Recovered 60' mud
IFP 30-30
ISIP 1017
FFP 30-30
FSIP 1017
BHT 104°F

DST (8) 3170' - 3195'
30-45-60-90
Recovered 60' mud
IFP 30-30
ISIP 1017
FFP 30-30
FSIP 1017
BHT 104°F

DST (9) 3195' - 3220'
30-45-60-90
Recovered 60' mud
IFP 30-30
ISIP 1017
FFP 30-30
FSIP 1017
BHT 104°F

DST (10) 3220' - 3245'
30-45-60-90
Recovered 60' mud
IFP 30-30
ISIP 1017
FFP 30-30
FSIP 1017
BHT 104°F

DST (11) 3245' - 3270'
30-45-60-90
Recovered 60' mud
IFP 30-30
ISIP 1017
FFP 30-30
FSIP 1017
BHT 104°F

DST (12) 3270' - 3295'
30-45-60-90
Recovered 60' mud
IFP 30-30
ISIP 1017
FFP 30-30
FSIP 1017
BHT 104°F

DST (13) 3295' - 3320'
30-45-60-90
Recovered 60' mud
IFP 30-30
ISIP 1017
FFP 30-30
FSIP 1017
BHT 104°F

DST (14) 3320' - 3345'
30-45-60-90
Recovered 60' mud
IFP 30-30
ISIP 1017
FFP 30-30
FSIP 1017
BHT 104°F

DST (15) 3345' - 3370'
30-45-60-90
Recovered 60' mud
IFP 30-30
ISIP 1017
FFP 30-30
FSIP 1017
BHT 104°F

DST (16) 3370' - 3395'
30-45-60-90
Recovered 60' mud
IFP 30-30
ISIP 1017
FFP 30-30
FSIP 1017
BHT 104°F

DST (17) 3395' - 3420'
30-45-60-90
Recovered 60' mud
IFP 30-30
ISIP 1017
FFP 30-30
FSIP 1017
BHT 104°F

Arbuckle 3412' (-1529)

Total Depth 3420' (-1842)

Reference Well
COMPANY & WELL Coral Prod #24-33D Rath-Newman
LOCATION 870' FSL, 1410' FWL SW4
SEC 33 TWP 7S RGE 27W
COUNTY Cheyenne STATE Kansas

ELEVATIONS
KB 3432'
GL 3419'

Chart for DST (2) Tubby zones

Chart for DST (3) Ripple through Dewey zones

Chart for DST (4) Lansing A through C zones

Chart for DST (5) Lansing D through I zones

Chart for DST (6) Kansas City zones

Chart for DST (7) Atoka and Morrow Sand

Chart for DST (8) Mississippi