

8-12-15W

KANSAS

Russell County C. C. Oswald #11 TD: 2526 (D) Elev. 1811 Gr 8-5/8" @ 132.32° RDB (2-2-76)
Sec. 8, T12S, R15W
Middle Fairport Pool

APE #15-5062 NE Drill and equip Tarkio well in the Middle Fairport Pool

Exact Loc.: SW NW SE Sec. 8, T12S, R15W
Lease No: 14-0105

Drilling Contractor: Abercrombie Drilling, Inc.

Mud Supplier: Davis

WI: Sohio Petroleum Company 33.33335
Roseline Gussman 5.55555
Roseline N. Gussman,
Co-trustees 11.11110

MAR 17 1977

2-3 134'. WOC. Sped 7:40 PM, 2-2-76. Drld 9-1/4" hole to 134'. Reamed to 12-1/4", ran 123.32' of 8-5/8" Lapweld 28# SVT set at 132.32' RDB. Cemented w/125 sx common, 2% salt, 3% CaCl. Pumped plug to 110'. Plug down at midnight. WOC.

Daily Mud \$135 Daily & Cum Well \$2,674
Cum Mud 135

2-4 1390'. Made 1256'. 133' 3/4°, 981' 3/4°. Anby 866-900. Gr level 1811, KB 1818.

Cum Mud \$135 Daily Well \$ 6,043
Cum Well 9,017

2-5 2010'. Made 620'. Drig. 1852' 3/4'.

Cum Mud \$135 Daily Well \$ 3,131
Cum Well 12,148

2-6 2526'. Made 516'. Drig. MW 9.6, Vis 40, WL 3.6. Grand Haven 2360 (-542'). 1st Tarkio 2379 (-561) slite show of oil, fair porosity, no odor. Dover 2392 (-574). 2nd Tarkio Sd 2395' (-577) slite show of oil, fair porosity, no odor, slite pyritic, Tarkio Lime 2433 (-615). 3rd Sand 2465' (-647) sd, fair show, slite show free oil, faint odor, porous & pyritic, appears 2465-75 or 10' thick. Elmont 2488 (-670). High to C. C. Oswald #10.

Daily Mud \$1,462 Daily Well \$ 4,243
Cum Mud 1,594 Cum Well 16,391

2-7 2804'. Drig. Bit trip 2665'. MW 9.6, Vis 40, WL 6. 2665' 3/4°. Strap 0.28 off. Leak in DP tripped at 2780. Laid out bad joint. Topeka 2676' (-858) Flat w/25. Top zone spotty dark show.

Daily Mud \$ 163 Daily Well \$ 1,741
Cum Mud 1,757 Cum Well 18,132

2-8 3097'. Made 293'. Drig. MW 10.1, Vis 43, WL 12. Heebner 2896 (-1077, Tor 2917 (-1098), L-KC 2950 (-1131) Flat to A-25. Plattsmouth spotty stain good porosity; Tor spotty stain, poor porosity; L-KC "A" scattered stain, no free oil or odor, slite vuggy porosity; "B" fair stain & saturation, show free oil, odor, fair oolitic & fossil porosity; "C" fair stain, saturation, show free oil, faint odor, poor to slite porosity; "F" rare stain, slite to fair porosity; "G" oolitic, good porosity, rare spotty stain, barren porosity.

Cum Mud \$1,757 Daily Well \$ 1,815
Cum Well 19,947

2-20 Swab hole down. Recovered some raw acid.

Hr	Gal. Oil	Water
1/2	1/2	1/2 gallon
1/2	1-1/2	1 "
1/2	1	1 "
1	1	No water
1	1-1/2	" "
1	1	" "

Ran in tubing and packer to acidize.

Daily \$953

Cum \$46,659

2-21

Acidized well w/250 gallons 15% HCl, 3/4 gallons/minute at 250#. Increased press to 500#, rate varied from 2-1/2 to 6 GPM. Incr press to 750#, pkr leaked & then shut off. Press 750, rate 4-1/2 GPM, decr to 3 GPM at 750#. ISI 700#, 15 min 400#, used 30-1/2 bbl to treat. Swab down, test. 1/2 hr .64 BF, 50% oil. Released pkr & swab down again.

1/2	1.17 BF	33% oil
1/2	.64 "	30% "
1/2	.32 "	50% "
1/2	.32 "	40% "
1/2	.32	50% "

SDFW.

Daily \$1,541

Cum \$48,200

2-22

Blizzard, no work.

2-23

SDF weekend.

2-24 Subd down 600' fluid in tbg 95% water. Pull tbg & pkr, ran csg, swab - 11 BO, 0 BW. Bailed dry, test 1/2 hr had .40 BO, 2nd .40 BO. Made 1' of hole bail dry. Tested 30 min at .40 BO, 2nd 1/2 hr .38 BO. Drid 1' of hole 1st 1/2 hr .38 BO, 2nd .25 BO. SDFN. Will acidize tomorrow.

Daily \$559 Cum \$48,759

2-25 Bailed 2-3/4 BO - Run tbg & pkr. Ck TD 3257.5'. Acid 250 gallons 15% NE acid. Press start 1250# 18 GPM. Broke to 1100# w/42 G in formation. Broke to 1050# w/200 gallons in. 1100# on flush. Flushed 1 bbl. YP 1100#, IS 950#, 5 min 400#, 15 M 100#, 30 M 25#. Total 26 bbls fld. Subd down.

Hr	Bbl	Per Oil
1/2	.53	100
1/2	.53	100
1/2	.53	100
1/2	.28	100
1/2	.53	100
1/2	.53	100
1/2	.53	100
1/2	.53	100
Last 1/2 hr .28 bbl, 100% oil		

Daily \$884 Cum \$49,643

2-26 Swab hole. Rec 6.66 bbl fld mostly water. Est 1250' fld in hole. Rig up logger. Ran GR-Neut w/cmt top & Collar Log.

Daily \$394 Cum \$50,037

2-27 Set BP at 3238'. Cmt top at 2436'. Perf L-KC w/2 SPF at:

- "A" 2953-63'
- "B" 2976-82'
- "C" 2992-98'
- "H" 3086-90'
- "J" 3128-36'
- "K" 3164-68'

Ran tbg & pkr. Started swbg, unit broke down. SD.

Daily \$2,642 Cum \$52,680

2-28 Pulling unit - down for repairs.

2-29 Acid A, B, C, H, J & K zones w/3600 gal 28% acid w/278 BW. Total fluid 364 bbl. No communication betwn zones, MP 300%, all zones on immediate vac. Pull tbg & pkr.

Daily \$7,635 Cum \$60,314

3-1 SDFS, prep to run rods & tbg.

3-2 Correction: KB S/B 1819' instead of 1818'. Ran 2-1/2" tbg, rods & 1-1/2" pump. Rig down & move off.

Daily \$358 Cum \$60,673

3-3 Set unit, hooked up gas line. Work on lead line.

3-4 Started up well. No test.

3-5 120 BO, 49 BW, 53 x 15 x 1-1/2". 80% eff., not pounding.

Daily \$7,823 (tbg) Cum \$68,496

<u>3-6</u>	37-1/2 BO	29-1/2 BW	Founding
<u>3-7</u>	21 "	21 "	"

Daily \$10,588 (Unit, base & engine) Cum \$79,084

3-8 No test.

3-9 22 BO 24 BW

3-10 No test.

3-11 " "

3-12 6 BO 49 BW

3-13 No test.

3-14 21 BO, 21 BW

3-15 No test.

3-16 "

3-17 "

3-18 "

3-19 15 BO, 24 BW

3-20 No test.

3-21 " "

3-22 " "

3-23 " "

3-24 " "

3-25 " "

3-26 15 BO, 24 BW

3-27 No test.

3-28 " "

3-29 16 BO, 24 BW.

3-30 No test.

3-31 " "

4-1 " "

4-2 " "

4-3 No test.

4-4 " "

4-5 " "

4-6 8-1/2 BO, 26 SW.

4-7 No test.

4-8 " "

4-9 " "

4-10 No test.

4-11 " "

4-12 " "

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4-16 No test.
thru
4-22 " "

4-23 8.86 BO, 24 BW.

4-24 No test.
4-25 " "
4-26 " "

4-27 No test. Prepare to move in to recomplete to Turkio.

4-28 Pulled R & T and set Baker P-2AA BP at 2550'. Perf 2508-9 w/4 holes, ran tbg & RTTS pkr to 2428'.

Daily \$827

Cum \$79,911

4-29 Set pkr, press to 1500, could not pump in, pulled pkr 2334, perf 2440-41 w/tbg gun 4 holes, set pkr, press to 1500, could not pump in, would bleed off very slowly, pulled tbg & pkr. Will dump 50' sand and prepare to perf 2466-77'.
 Daily \$772

Cum \$80,683

4-30 CR sd TD 2520, perf 2466-77, 2 jet/ft. Ran tbg & pkr. Dumped 4 sx sd, sd TD 2490', picked up pkr to 2450', frac as follows: 350 gal 15% acid, 150 gal aromatic solvent, 9000 gal gelled wtr, 17500# 10-20 sand. Breakdown 1500#, MP 1600, air 20 BPM, ISI 100#, on vac in 5 min. SI for night.

Cost \$8,369

Cum \$89,052

5-1 Top sd 2-82'. Cleaned out to 2561. BP may have slid down hole.

Daily \$579

Cum \$89,631

5-2 Clean out sand to 2572', add total depth w/tbg. Pulled tbg to 2567'. Ran rods, put pump.

Daily \$449

Cum \$90,080

5-3 No test.

5-4 1 BO, 114 BW, 90% efficiency.

5-5 1 BO, 115 BW. Will set well out today and speed up.

5-6 No test.

5-7 21.60 BO, 158 BW.

5-8 No test.

5-9 " "

5-10 " "

5-11 23 BO, 75 BW.

5-12 No test.

5-13 " "

5-14 " "

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8-12-15w

5-15 No test.

chru " "

5-19 " "

5-20 59 BO, 25 BW.

5-21 No test.