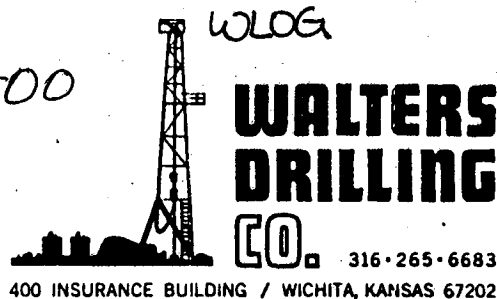


15-135-21452-00-00



DAILY WELL REPORT

Elevation: Est. 2378 KBE

WELL NAME: Schaben #4 PROSPECT Schaben
 LOCATION: 125' East of Ctr. NE/4 SE/4 Section 19-17S-24W, Ness County, Kansas
 OPERATOR: Walters Drilling Co.
 CONTRACTOR: Slawson Drilling Company, Inc.
 GEOLOGIST: Gerald Becker

Palomino Ummel #2

FORMATION	TOP	DATUM	COMPARISON
Anhydrite	1650	+ 728	flat w/ Um #2
B/Anhydrite	1675	+ 703	
Heebner	3689	-1311	-1' Ummel
L/KC	3728	-1350	+3' U +7' Sti +18' Sch #1 (Pal)
Pawnee	4150	-1772	-1' U +22' Sch +16' Sti
B/KC	4622	-1644	flat w/ U +19' Sch +7' Sti
Ft. Scott	4227	-1849	+3' U +28' Sch +7' Sti
Cher Shale	4252	-1874	+2' U +27' Sch +10' Sti
No Cher Sd			
Mississippian	4322	-1944	
RTD	4550		
LOG TOPS:			
Anhydrite	1642	+ 736	
B/Anhydrite	1674	+ 704	
Heebner	3688	-1310	
Lansing	3731	-1353	
B/KC	4020	-1642	
Pawnee	4148	-1770	
Fort Scott	4225	-1847	
Cher Shale	4249	-1871	
Miss	4322	-1944	
Osage	4406	-2028	
Kinderhook Ls.	4544	-2166	
LTD	4551	-2173	

DATE	REPORT
4-8	Spudded 5:00 p.m.
4-9	Under surface 6:00 a.m. Set 8 jts. new 24# 8-5/8" surface casing at 330 feet w/200 sx 60-40 pozmix (2% gel - 3% CaCl). Plug down 10:00 p.m.
4-10	Drilling at 1985'.
4-11	Drilling at 2740'. Viscosity 28, Mud Wt. 8.9, Chlorides 33,000.
4-12	Drilling at 3305'. Viscosity 29, Mud Wt. 9.1, Chlorides 20,000.
4-13	Drilling @ 3810'. Viscosity 41, Mud Wt. 9.2, Chlorides 15,000.
4-14	Drig. @ 4190'. Viscosity 41, Mud Wt. 9.1, Water Loss 10.5. 4:14 p.m. Taking DST #1 4200-4262' (Ft. Scott) 30"/45"/60"/60", strong blow, GTS after 15 minutes of second closing = 150"; rec. 520' clean oil and 80' muddy oil = 6.87 BO. Gravity 41 degrees, BH Temp. 108 degrees, IFP's 76-153#, FFP's 175-240#, SIP's 944#-847#.
4-15	DST #2 (Mississippian) 4266-4343', 30"/80"/120"/80", blew off bottom of bucket in 3", 124' GIP, rec. 372' clean oil, 992' gassy froggy muddy oil = 1364' = 17.7 BO, no water - ground out every second stand; IFP's 87-295#, FFP's 306-578#, SIP's 1243-1147#. RTD 4550'.
4-16	Ran Petro Log Radiation Guard Log and Compensated Density Log. Set 5-1/2" 15 1/2# casing @ 4401' w/125' sx pozmix and 75' sx Halco Lite. Plug down 10:05 p.m. 4-16.

OCT 15 1990
 10-15-1990
 CONSERVATION DIVISION

- 5-2-78 Moving in well completion unit. Hembree Well Service swabbed hole down. SDON.
- 5-3-78 Zero point 5' above ground level. Petro Log finished running casing log at 10:00 a.m. (Gamma Ray-Collar Locator Log). Inside TD 4378'. Finished perforating from 4324' to 4330' (3h/ft) at 10:30 a.m. Had to repair chain on pulling unit. Ran bailer at 12:30 p.m. - 500' app. of fillup - all water, unclean, no mud. On second pull at 12:45 p.m. recovered 12 gals fluid = 2 gal froggy oil + 10 gal murky water - slight salt taste but looked like filtrate water.
- | | |
|----------------|-------------------|
| 2:30-3:00 p.m. | 2.08 BO, no water |
| 3:00-4:00 p.m. | 4.15 BO, no water |
| 4:00-5:00 p.m. | 4.20 BO, no water |
| 5:00-6:00 p.m. | 5.84 BO, no water |
- 5-4-78 8:00 a.m. had 1900' FU. This is 14 hour fillup = 45.6 bbls (24 bbl per thousand 15.5# casing). On swab down rec. 53.86 BO, no water.
- First - bailer was ran twice. 1st run rec. 12 gal water; 2nd run rec. 2 gals water + 10 gal froggy oil. Swabbed off bottom at 9:00 a.m.
- | | |
|-------------------|-------------------|
| 10:00-11:00 a.m. | 5.01 BO, no water |
| 11:00a-12:00 noon | 5.01 BO, no water |
| 12:00-1:00 p.m. | 5.84 BO, no water |
| 1:00-2:00 p.m. | 4.17 BO, no water |
| 2:00-3:00 p.m. | 4.17 BO, no water |

swabbing off bottom. Gravity 37 degrees. Natural completion (no acid).

15-135-21452-00-00-2375
2378

DF
KB

WELL NAME: SCHABEN #4 #1222-Schaben Prospect

LOCATION: 125' East of Ctr., NE/4 SE/4 Section 19-17S-24W, Ness County, Kansas

COMMENCED: 4-8-78 COMPLETED: 4-16-78 TOTAL DEPTH: 4550' FORM: *Miss*

CONTRACTOR: Slawson Drilling Company, Inc. (Rig #2) 625-7895 LOG: *PetroLog*

SURFACE CASING: 8-5/8" set @ 330' w/200 sx *Granfield (Hwy)* DST: *2*

PRODUCTION CASING: 5 1/2" @ 4401 w/300 sx W.N. Bartlett - 265-2667

STATE TEST: *5-16-78-24kg* 77.1530/w/ *PT III* 682-7245 Gutru - 265-3402; Bethryn 267-7592

FIRST OIL SALES: Geologist: Gerald Becker *Park Hotel* 798-3240

ARNOLD HORNER? 357-8570 - Puchre

Bill Rowe (Slawson) Res. 793-8255

Palomina

FORMATION	TOP	DATUM	COMPARISON	1978 Daily Drilling Reports
Anhydrite	1650	+728	<i>Ummel #2 - flat</i>	4-8 Spudded at 5:00 p.m.
B/Anhydrite	1675	+719		4-9 Under surface 6:00 a.m. Set 8 jts. new 24" 8-5/8" csg. @ 330' w/200 sx 60-40 pozmix (2% gel - 3% CaCl). PD 10:00p Cmt. did circulate.
<i>Hubner</i>	3689	-1311	<i>-1' Ummel</i>	
<i>La. - KC</i>	3728	-1350	<i>+3' +18' Sch 1</i>	
<i>B/KC</i>	4622	-1644	<i>4 - flat +19 Estimate +7'</i>	4-10 Drlg. @ 1985'
<i>Sumner</i>	4150	-1772	<i>4 - 1' Sch +22 (skin +6')</i>	4-11 Drlg @ 2740'. Vis. 28, mild wt. 8.9, chlorides
<i>Fort Scott</i>	4227	-1849	<i>4 + 3' Sc +28' v +7'</i>	33,000, mud costs \$587. ⁰⁰
<i>Cher. Shale</i>	4252	-1874	<i>4 + 2' Sc +27' v +10'</i>	
<i>No. Okmulgee</i>				
<i>Missourian</i>	4322	-1944	<i>4 = 1951-57 sub 4 1990</i>	4-12 Drlg @ 3305'. Vis. 29, mild wt. 9.1, chlorides 20,000, mud costs \$1,155. ³⁰
<i>LTD</i>	4550			
<i>Log Tops:</i>				
<i>Anhy</i>	1642	+736		4-13 Drlg @ 3810' 9:00 a.m. Geologist @ loc. Vis. 41, mild wt. 9.2, chlorides 15,000, mud costs \$2586.
<i>B/Anhy</i>	1674	+704		
<i>Hubner</i>	3688	-1310		
<i>Lansing</i>	3731	-1353		
<i>B/KC</i>	4020	-1642		4-14 Drlg @ 4190'. Vis. 45, mild wt. 9.1, wtr. loss 10.5, mud costs \$3596.
<i>Sumner</i>	4148	-1770		
<i>Fort Scott</i>	4225	-1847		Call from Becker 4:14p Testing th. Scott. Starting out of hole - take on
<i>Ch. Shale</i>	4249	-1871		btwn w/ test 6:00 p.m. ±
<i>Miss</i>	4322	-1944		DST #1 4200-4262.
<i>Seage</i>	4406	-2028		
<i>Kindersburg</i>	4544	-2166		4229-31 limestone, white, buff tan, calcitic, fossiliferous, show free oil and gas, faint odor, spotted even
<i>Deltone City</i>	4544	-2166		
<i>LTD</i>	4551	-2173		

RECEIVED
STATE CORPORATION COMMISSION
OCT 15 1990
CONSERVATION DIVISION

Schalen #4
Pg. 2

15-135-21452-00-00

Stain, poor to good angular porosity.

4244-47 Show free oil and gas, faint odor, lit. Tan even stain, fairly good pinpoint & angular porosity.

4/15/78
SAT

DST No 1 4200-4262 (ET Scott) 30-45-60-60 Strong blow. Had 675 after 15 minutes of second ^{closing} ~~opening~~ Rec 520' clean oil and 80' muddy oil = 6.87 Bbls oil. Gravity of oil is 41° BHT 108°.
FFP's 76-153#, 175-246#, Lips 944# (60) 847 (60).

DST No 2 (Mississippi) 4266-4343 30-80-120-80 Blows off bottom of bucket in 3 minutes. Will start out at 2:15 and call Mr. DeLoe 7:00 pm. DeLoe's drills fast, odor, tank to sagging, very low oil porosity looks good. In 4340 sample BHT in 30 min. cur., had 124' GIP, rec. 372' clean oil, 992' gassy froggy muddy oil = 1364' = 17.7 bbls, no water - ground out every second stand, IFP's 87-295#, FFP's 306-578#, Lips. 1243-1147#. RTD 4550'.

4-16-78 Ran Petro Log Radiation Guard Log & Compensated Density Logs. Set 5 1/2" 15 1/2# casg. @ 4401' w/ 125 at pozmix and 175 at Halo Lite. Plug down @ 10:05 pm 4-16

4-28-78 RFW confer w/ Peaches. Agree to perforate from 4324-30, 3 jet shots per ft and attempt natural completion (no acid). Dembree Well Service to MICT Monday, May 1st.

5-2-78 MI well completion unit. Dembree Well Service swabbed hole down. SDON. To perforate in morning. Bob Dembree will move snub tank with winch truck.

5-3-78 Zero point 5' above Gk. Petro Log finished running casing log @ 10:00 am (Gamma Ray - Celler Locator Log. Infill TD is 4378'. Finished perforating from 4324-4330 (3h/ft) @ 10:30 am. Had to repair chain on pulling unit. Ran bailer at 12:30 pm - 500' app. of FU - all water, unclean, no mud. On second pull at 12:45 pm recovered 12 gals fluid = 2 gal froggy oil + 10 gal murky water - slight salt taste but looked like filtrate water. Still gently snub test remainder of day.

2:30-3:00 pm - 2.08 B0, no water
3:00-4:00 pm - 4.15 B0 " "
4:00-5:00 pm - 4.20 B0 " "
5:00-6:00 pm - 5.84 B0 " "

RECEIVED
STATE CORPORATION COMMISSION
OCT 15 1990
CONSERVATION DIVISION

5-4-78 8:00 am 1900' FH. This is 14 hr fillups = 45.6 bbls. (24 bbls per thousand 15.5# casing). On the swab down rec. 53.86 BO, no water.

First - boiler was ran twice = 1st run rec. 12 gal water, 2nd run rec. 2 gal water + 10 gal froggy oil. Swabbed off bottom at 9:00 am. At 10:00a rec. on the swab 3.75 BO.

First gauge can be off a little due to the foam on the oil. Will continue testing hourly and report back.

10:00a - 11:00am	5.01 BO	no water	
11:00a - 12:00am	5.01 BO	✓	✓
12:00 noon - 1:00pm	5.84 BO	✓	✓
1:00pm - 2:00pm	4.17 BO	✓	✓
2:00pm - 3:00pm	4.17 BO	✓	swabbing off bottom

Gravity 37°

Natural completion (no acid). Arnold Horner will turn well over to Walter J. Zimmerman to run rods and tubing. Peacher recommends mud anchor of 2 fts app. 60' below perf sub in tubing. Total depth inside is 4378'. Perf sub will, therefore, be located near 4315' which is above perms. WJZ will put on pump and connect tanks, etc.

5-4-78 Arnold Horner of OPM finished well completion work and turned the well over to W. J. Zimmerman. That ran two joints of used 2-3/8" tubing, 57.71', closed end with orange peel weld for mud anchor. Hung @ 4373' or 5' 00" inside TD is 4378'. 5 1/2" cas. set @ 4401' w/ open hole drilled to 4551' for possible future use as salt water injection well. Zero is 5 ft. above Gk. Ran 2-3/8" perf sub and seating nipple (length 4.0 feet) from 4315 - 4311 ft. Ran 140 joints new 2-3/8" tubing, 4299.72 ft., threads off, and two new tubing subs, 8 feet and 4 ft. Hung new bottom hold down pump, 2" x 1 1/2" x 12' long on string of 171 new rods, 3/4" diameter plus two new rod subs, 8 feet and 6 feet, with a 16 ft. polish rod. Finished running rods and tubing May 5, 1978. Installed pumping unit.

RECEIVED STATE CORPORATION COMMISSION

OCT 15 1990

CONSERVATION DIVISION Wichita, Kansas

15-135-21452-00-00⁴

- 5-11-78 Started well up @ 11:40a. Running 8 1/2 rpm
64" stroke w/1 1/2" pump. From 12:00 noon until
morning of 5-12-78 (20 hours) made 97.23 BO.
- 5-13-78 Made 111.25 BO/24 hrs.
- 5-14-78 " 87.82 BO/23 hrs. (elec. off 1 hr.)
- 5-16-78 Barrel Test: 18 1/2 min. to fill bbl.
Made 77.8 BTF = all oil, no water, 64" stroke,
8 1/2 rpm, 1 1/2" pump.
- 5-16-78 Stake Test: 77.15 BO/NW/24 hrs.

RECEIVED
STATE CORPORATION COMMISSION

OCT 15 1990

CONSERVATION DIVISION
Wichita, Kansas

RECEIVED
STATE CORPORATION COMMISSION

OCT 15 1990

Wichita, Kansas