

WFLM Federal Well No. 1

perforated 17 1/2" hole 11:00 p.m. 2-24-59. Ran 737° of 13 3/8" o.d. casing and cemented at 502° with 825 sx regular cement. Cement circulated. Tested before and after drilling plug for 30 minutes with 600 PSI. Tested o.k. Job complete 7:00 a.m. 3-1-59

an 4463° of 9 5/8" o.d. casing and cemented at 4475° with DV tool at 2450°. Cemented first stage 2450° to 4475° with 500 sx 4% gel & 200 sx regular. Plug at 4431°. Cemented second stage at 2450° to surface with 2000 sx 4% gel. Cement circulated. Tested before and after drilling plug for 30 minutes with 1000 PSI. Test o.k. Job complete 8:00 a.m. March 9, 1959

ore No. 1 from 4573° to 4623°, 100% recovery 3-10-59.

ST No. 1 from 4573° to 4623° tool open 40 mins with weak blo and died in 20 mins. Rec 30° DM, NS, 30 MISI-48, 15 MFSI-518, IF-48, FF-48, HI-2172, HO-2172, complete 11:00 a.m. 3-11-59.

ore No. 2 from 4623° to 4677° 100% recovery 3-11-59.

ST No. 2 from 5670° to 5850° tool open with good blo of air & continued throat test. Open 2 hrs, Rec 510° DM & 270° SW, 30 MISI-2574, 30 MFSI-2205, IF-155, FF-546, HI-2884, HO-2884, complete 1:00 p.m. 3-15-59.

ST No. 3 from 6880° to 7000° Mis-run 3-19-59.

ST No. 4 from 6880° to 7000° tool open for 30 mins with fair blo throat test. Packer failed. Rec 540° SGCDM & 1750° DM, no wtr, 15 MISI-3325, IF-348, HI-3325, complete 3:15 p.m. 3-20-59.

ST No. 5 from 7135° to 7214° tool open 2 hrs with good blo throat. Rec 180° DM & 720° HO&GCDM 30 MISI-2863, IF-212, HI-3367, 30 MFSI-2226, FF-423, HO-3367, complete 5:30 a.m. 3-23-59.

ore No. 3 from 7164° to 7214° 100% recovery 3-20-59.

ore No. 4 from 7385° to 7419° 100% recovery 3-24-59.

ST No 6, from 7620° to 7757° tool open 2 hrs with weak blo. Rec 180° SGCDM & 30° SO&GCDM, no wtr, 30 MISI-460, IF-85, HI-3610, 30 MFSI-485, FF-115, HO-3590, complete 8:00 a.m. 3-27-59.

ore No 5 from 8009° to 8059° 100% recovery 3-30-59.

ore No. 6 from 8190° to 8240° 100% recovery 4-1-59.

ST No 7 from 8140° to 8320° Mis-run

ST No. 8 from 8240° to 8320° tool open 2 hrs with fair blo throat test. Rec 765° SGCDM NS 30 MISI-3940, IF-281, 30 MFSI-1028, FF-420, HI-3980, HO-3980, complete 1:00 a.m. 4-4-59.

ST No. 9 from 8355° to 8545° tool open 2 hrs with strong blo air decreasing to weak blo.

Rec 200° DM & 90° SO&GCDM, 30 MISI-3950, HI-4110, IF-200, 30 MFSI-535, HO-4110, FF-270, complete 5:30 p.m. 4-6-59.

an logs, April 7, 1959.

an 8533° of 7 5/8" o.d. casing and cemented at 8545° with 1800 sx 4% gel and 100 sx regular cement. Cement did not circulate. Plug at 8502°. Top of cement by temperature survey 6765°. Tested 7 5/8" o.d. casing before and after drilling to top of plug for 30 mins with 1500 PSI. Tested o.k. complete 6:30 a.m. 4-13-59. Perforate 7 5/8" o.d. casing from 7364° to 7400° with 4 jet shots per ft. Ran 7385° of 2 3/8" tubing and set at 7402°. Acidize with 500 gals MA, complete 6:15 p.m. 4-13-59. Swab well dry. Squeeze perforations with 750 sx cement in 4 stages. Perforate 7 5/8" o.d. casing from 7164° to 7194° with 4 jet shots per ft. Ran tubing. Wash perforations with 500 gals MA. Swab well. Squeeze perforations with 1050 sx cement. Tested with 1500 PSI. Tested o.k. Perforate 7 5/8" o.d. casing from 7170° to 7182° with 2 jet shots per ft. Acidize with 500 gals MA. Swab well. Acidize second stage with 1000 gals LST NEA 15% acid. Swab well. Frac well with 2000 gals refined oil and 2000 lbs sand. Swab well. Squeeze perforations with 400 sx cement. Perforate 7 5/8" o.d. casing from 7184° to 7200° with 2 jet shots per ft. Acidize with 500 gals 15% MA. Swab well. Acidize 2nd stage with 1000 gals regular 15% LST NEA acid. Swab well. No show oil or gas. Re-acidize with 2000 gals 15% regular LST NEA acid. No show oil or gas. Frac perforations from 7184° to 7200° with 5000 gals regular oil and 2500 lbs sand with 15 gals emulsion breaker in 43 bbls. distillate ahead of treatment. Swab well. Frac with 10,000 gals refined oil with 7500 lbs sand. Swab well. Install pump equipment recover load oil and prepare to test. 2 3/8" tubing set at 7141°, (7138°).

#### WILDCAT-BRUSHY CANYON ZONE

On 24 hr PT well pumped 25 BO & 69 BW, complete 7:00 a.m. June 23, 1959.

Gravity	34.6
GOR	900
top of pay	7184°
btm of pay	7200°
NMOCC date	4-6-59
TEXACO Inc. date	6-23-59