

15-185-01154-0000

October 23, 1959

Houston Petroleum Company
411 Union National Building
Wichita, Kansas

Sierra Petroleum Co., Inc.
208 Petroleum Building
Wichita, Kansas

Re: Houston & Sierra
Wiles #1
NW SE NW, Section 15-25-15W
Stafford County, Kansas

Gentlemen:

Samples from the above captioned well were examined from 3100 feet to rotary total depth of 4510 feet.

Commenced Drilling: 9-30-59	Elevation: 2027' D.F.
Completed Drilling: 10-18-59	2030' R.B.
Contractor: Sierra Petroleum Co., Inc.	Surf. Csg. 8-5/8" @ 275' w/150 sx.
Rig #7	Prod. Csg. 5 1/2" @ 4199.79 w/175 sx.

The following tops were determined from electrical log analysis. All measurements were taken from the top of the rotary bushing.

FORMATION TOPS

WELEX-RADIATION GUARD

Anhydrite	962 (+1068)	(Drig.)
Heebner	3611 (-1581)	
Toronto	3630 (-1600)	
Douglas	3650 (-1620)	
Brown Lime	3766 (-1736)	
Lansing	3784 (-1754)	
Base Kansas City	4045 (-2015)	
Mississippian	4168 (-2158)	
Kinderhook	4196 (-2166)	
Viola	4250 (-2220)	
Simpson Shale	4418 (-2388)	
Simpson Sand	4430-4446 (-2400-2416)	
Simpson Sand	4452-4464 (-2422-2432)	
Sand	4480-4485 (-2450-2455)	
Arbuckle	4489 (-2459)	
Rotary Total Depth	4510 (-2480)	

POROUS ZONES, STAININGS & TESTS

TOPEKA

3388-3401

STATE OF KANSAS

5-22-90
MAY 22 1990

CONSERVATION DIVISION
Wichita, Kansas

Limestone, buff, fossiliferous, slightly chalky, spotted light staining and saturation, fair-poor pinpoint porosity.

POROUS ZONES, STAININGS & TESTS (Cont'd.)

3500-3510

Limestone, buff, fossiliferous, slightly oocastic, trace spotted staining, poor porosity.

LANSING - 3784 (-1754)

3854-3858

Limestone, buff, light gray, slightly oolitic, poor porosity, slight odor. No shows.

3890-3900

Limestone, buff-light gray, fine-medium crystalline, chalky, trace spotted staining, fair-poor vugular porosity. No free oil.

3910-3922

Limestone, buff, oocastic, fair oocastic porosity, fair scattered staining and saturation. Fair show free oil.

DRILL STEM TEST #1

3904-3920. Open 1 hour. Gas to surface in 10 minutes. Gauged 1,404 MCF in 10 minutes, 20 and 30 minutes. Gauged 1,719 MCF in 35 minutes. Flowed oil in 48 minutes (estimated 3-5 BDPH) Recovered 50' heavy mud cut gassy froggy oil, 10 feet free oil. IBHP 1425#/20"; FBHP 1425#/20"; FP 400-495#.

3942-3958

Limestone, buff, oolitic, slightly oocastic, scattered staining and saturation, slightly chalky, fair-poor oocastic-oolitic porosity, good odor. Fair show free oil.

(This zone should be tested before abandonment)

DRILL STEM TEST #2

3942-3952. Open 1 hour and 15 minutes. Strong blow thruout. Gas to surface in 30 minutes. Recovered 15 feet muddy oil cut water, 110 feet heavy oil cut gassy mud. IBHP 1350#/20 minutes; FBHP 1130#/20 minutes. FP 0-0#.

3962-3972

Limestone, buff, oocastic, Some fair staining and saturation, fair-poor oocastic porosity, good odor. Good show free oil.

DRILL STEM TEST #3

3960-3968. Open 45 minutes. Weak blow for 3 minutes. Recovered 12 feet light oil cut mud (tool plugged thruout). IBHP 1430#/20 min.; FBHP 1290#/20 minutes. FP 0-0#.

DRILL STEM TEST #4

3959-3968. Open 1 hour. Weak blow for 14 min. Recovered 15 feet mud. IBHP 1450#/20 minutes, FBHP 1190#/20 minutes. FP 0-0#.

3998-4004

Limestone, buff, oocastic, spotted fair staining and saturation, fair-poor porosity.

(This zone should be tested before abandonment)

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Wichita, Kansas

POROUS ZONES, STAININGS & TESTS (Cont'd.)

MISSISSIPPIAN - 4168 (-2158)

4168-4186 Mostly shale with traces fresh chert with no shows.

4186-4196 Chert, fresh, white-tan-light yellow (similar to Conglomerate), poor porosity, trace dead staining, trace tripolitic chert with very little staining. No shows.

DRILL STEM TEST #5 4184-4212'. Open 1 hour. Weak blow for 9 minutes. Recovered 10 feet mud. No pressures.

VIOLA - 4250 (-2220)

4307-4325 Dolomite, light gray, fine-medium crystalline, fair-poor pinpoint porosity. Good show free oil, very good saturation, good fluorescence.

DRILL STEM TEST #6 4307-4319'. Open 1 hour. Strong blow thruout. Recovered 30 feet mud with spots oil. No pressures.

4420-4426 Dolomite, buff-light gray, fine-medium crystalline, fair staining and saturation, poor-fair porosity. Fair show free oil.

DRILL STEM TEST #7 4422-4426'. Open 1 hour. Weak blow for 13 minutes. Recovered 23 feet mud. No pressures.

SIMPSON SAND - 4430 (-2400)

4430-4446 Sandstone, white, fine-medium grained, limey in part. Poor porosity. No shows.

4452-4464 Sandstone, white coarse grained, sub-round-angular, well sorted, friable, fair porosity. No shows, odor or fluorescence.

ARBUCKLE - 4489 (-2459)

4489-4510 (R.T.D.) Dolomite, buff-light gray, fine crystalline, poor porosity. No shows.

STATE GEOLOGICAL SURVEY
MAY 22 1990
CONSERVATION DIVISION
Wichita, Kansas

-4-

REMARKS

Structurally the Wiles #1 is higher on all horizons compared to Olson Drilling, Hart #1 a dry hole in SW SW NE, Section 15-25-15W. The Wiles #1 is 20 feet higher on both Lansing and Arbuckle to the Hart #1. With good results on a drill stem test in the 130 foot zone of the Lansing, decision was made to run 5-1/2 inch casing at 4199.79 feet with 175 sacks cement 10-18-59.

Respectfully submitted,

By A. W. Stude
A. W. Stude

AWS:pg

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CONSERVATION DIVISION
Wichita, Kansas

Houston & Sierra
Wiles #1
NW SE NW, Section 15-253-15W
Stafford County, Kansas

<u>Depth</u>			
From	To	Drilling Time Per Foot	Remarks
3100-3110		3-4-4-3-5-4-5-5-5-6	Bit SV2 @ 2945'
	3120	3-4-4-4-5-3-3-3-3-4	
	3130	3-5-5-4-3-2-1-1-2-1	
	3140	1-2-1-1-1-1-1-1-1-4	
	3150	4-6-5-4-4-3-3-3-3-4	
	3160	6-6-6-6-7-6-7-5-7-5	
	3170	2-2-5-3-4-4-3-4-3-4	
	3180	3-2-2-3-2-2-1-3-2-2	
	3190	2-2-3-2-2-2-2-3-2-1	
	3200	1-1-1-1-1-1-1-1-1-1/2	
3200-3210		1/2-1/2-1/2-1-4-5-3-3-3-3	Trip M4N Bit @ 3403'
	3220	2-5-6-6-4-5-5-5-7-8	
	3230	10-6-5-5-7-3-3-2-2-3	
	3240	2-2-5-4-6-7-10-7-5-5	
	3250	3-3-4-5-7-5-5-5-7-7	
	3260	5-4-4-3-3-2-2-3-3-4	
	3270	8-9-5-6-6-5-7-7-5-7	
	3280	5-7-5-6-7-5-5-7-9-11	
	3290	11-11-13-7-7-5-5-4-4-2	
	3300	2-4-3-2-6-5-5-5-5-7	
3300-3310		6-6-9-10-10-3-2-2-4-5	
	3320	8-6-3-3-4-4-4-4-2-2	
	3330	2-2-2-1-1-2-1-1-3-2	
	3340	1-1-1-1-2-1-2-2-3-5	
	3350	4-4-4-3-2-3-3-4-4-3	
	3360	2-3-2-3-5-7-6-7-9-5	
	3370	4-2-2-3-4-7-8-5-2-3	
	3380	2-4-3-4-4-3-4-8-5-3	
	3390	3-5-8-6-5-6-5-2-3-3	
	3400	3-3-2-3-2-4-2-2-2-3	
3400-3410		4-7-8-2-2-2-3-3-2-3	
	3420	2-3-3-3-4-2-6-3-5-6	
	3430	3-4-4-4-5-5-4-5-5-4	
	3440	3-2-1-1-1-2-1-1-1-2	
	3450	1-2-2-1-3-2-1-1-2-2	
	3460	3-2-2-1-3-3-2-3-3-2	
	3470	3-3-2-3-3-2-2-2-2-2	
	3480	2-2-1-2-2-2-1-1-5-4	
	3490	3-4-6-5-7-9-6-3-7-5	
	3500	4-4-4-7-6-2-2-2-2-2	
3500-3510		2-2-3-2-2-3-3-3-2-2	
	3520	4-5-4-3-2-3-1-2-3-3	
	3530	3-9-10-8-7-8-6-5-5-4	
	3540	4-4-4-5-6-5-5-5-6-8	
	3550	7-5-4-5-3-5-5-4-4-6	

STATE OF KANSAS
MAY 22 1990
CONSERVATION DIVISION
Topeka, Kansas

Houston & Sierra
Wiles #1
NW SE NW, Section 15-25E-15W
Stafford County, Kansas

Depth

From	To	Drilling Time Per Foot	Remarks
3550	3560	6-5-5-5-4-4-4-4-5-5	
	3570	5-5-4-6-5-4-6-7-8-9	
	3580	9-12-12-10-10-12-13-14-14-14	
	3590	15-15-18-5-3-5-3-3-4-5	Trip-Bit SV2 @ 3583'
	3600	6-5-6-6-5-5-6-5-5-3	
3600	3610	5-5-5-7-5-6-7-7-6-5	
	3620	5-3-4-3-2-2-7-8-8-7	
	3630	5-6-5-6-7-6-6-6-6-6	
	3640	6-8-7-5-5-3-5-5-7-6	
	3650	8-7-6-6-6-5-5-5-6-4	
	3660	5-7-5-5-5-5-6-4-5-5	
	3670	5-5-5-5-5-5-6-5-6-7	
	3680	6-7-8-7-5-6-6-6-7-5	
	3690	6-5-6-7-6-6-5-5-6-5	
	3700	6-6-6-5-5-5-5-5-5-5	
3700	3710	6-5-5-7-4-5-5-5-5-5	
	3720	4-5-5-5-5-5-5-5-6-4	
	3730	5-5-5-4-5-4-4-5-5-4	
	3740	5-5-4-5-5-6-5-5-5-5	
	3750	7-7-6-6-6-5-5-5-6-5	
	3760	6-6-6-5-7-5-5-6-6-5	
	3770	7-6-7-6-6-6-7-11-12-10	
	3780	10-6-9-9-9-7-10-7-8-7	
	3790	8-10-9-10-10-10-10-9-11-10	Trip YH Bit @ 3790'
	3800	4-4-5-7-13-10-10-8-8-8	
3800	3810	5-6-5-5-3-6-4-6-4-6	
	3820	8-7-6-9-10-6-7-5-5-3	
	3830	5-5-5-3-3-5-7-7-6-8	Circ. @ 3821'
	3840	9-7-8-8-10-8-10-7-9-6	
	3850	14-7-7-13-10-12-10-13-13-8	
	3860	8-9-10-7-6-6-9-14-12-11	
	3870	12-12-11-14-12-9-8-7-6-6	
	3880	7-8-7-7-9-5-7-8-8-8	
	3890	8-9-7-9-9-6-6-10-8-10	
	3900	8-6-8-9-8-8-9-12-12-10	
3900	3910	14-13-14-14-9-6-6-6-7-4	SR @ 3910'
	3920	4-3-3-3-3-3-4-4-5-6	Circ. DST #1, Bit YH @ 3920'
	3930	6-9-12-10-12-10-9-14-14-9	Circ. @ 3922'
	3940	10-13-11-10-11-12-13-14-10-11	
	3950	12-12-13-10-10-9-1-1-1/2-1/2	SR @ 3947'
	3960	1-1-3-1-1-1-6-7-13-8	Circ. DST #2 @ 3952'
	3970	5-3-4-3-4-2-2-2-2-4	Circ. DST #3 @ 3968', DST #4 @ 3968'
	3980	4-4-5-5-7-11-12-11-13-15	
	3990	3-6-7-16-11-8-10-5-4-4	
	4000	6-5-9-3-3-7-10-7-6-3	

INTELLIGENCE
MAY 22 1990
CONSERVATION DIVISION
Wichita, Kansas

Houston & Sierra
Wiles #1
NW SE NW, Section 15-25S-15W
Stafford County, Kansas

<u>Depth</u>			
<u>From</u>	<u>To</u>	<u>Drilling Time Per Foot</u>	<u>Remarks</u>
4000-4010		5-3-6-11-9-11-13-11-12-13	
4020		13-13-13-12-11-12-9-11-10-7	
4030		10-11-8-7-7-8-10-10-11-10	
4040		10-14-14-13-14-12-12-13-13-12	
4050		14-15-12-11-14-17-16-14-15-15	
4060		6-15-10-10-8-5-6-13-10-5	Trip - Bit W-7 @ 4052'
4070		6-7-8-8-10-9-8-9-8-8	
4080		9-10-11-10-10-8-6-6-7-7	
4090		7-6-5-7-7-5-5-5-5-5	
4100		6-6-9-8-9-7-5-11-8-9	
4100-4110		6-8-9-8-7-7-7-5-4-4	
4120		3-4-4-6-4-9-9-7-7-7	
4130		8-10-9-9-8-8-7-7-9-10	
4140		8-9-11-10-10-9-8-7-5-6	
4150		8-12-11-9-11-11-10-9-10-7	
4160		11-10-9-10-9-9-10-14-13-13	
4170		12-13-12-10-12-10-6-5-5-5	
4180		7-6-7-6-8-6-6-7-7-7	
4190		11-12-11-15-19-13-7-6-8-8	
4200		9-11-17-16-17-18-19-19-18-17	
4200-4210		17-16-19-19-20-20-19-20-21-21	
4220		23-26-11-9-8-8-9-9-9-9	Circ. DST #5, Bit W7 @ 4212'
4230		9-9-9-10-10-10-8-9-10-10	
4240		10-11-11-10-8-10-9-12-9-9	
4250		10-10-10-9-8-8-9-7-8-17	
4260		18-16-15-11-14-14-16-10-11-10	
4270		15-15-15-15-13-15-15-18-18-17	
4280		18-17-18-20-17-16-18-18-18-18	
4290		16-18-12-12-14-12-11-13-11-12	Trip W-7 Bit @ 4282'
4300		11-10-10-11-11-12-10-15-15-9	
4300-4310		9-9-8-8-12-15-14-14-10-15	
4320		14-5-9-12-14-8-11-10-11-10	SR @ 4312; Circ. DST #6, Bit W-7 @ 4319'
4330		10-10-9-14-12-13-10-13-12-10	
4340		15-13-14-16-14-16-13-16-14-15	
4350		10-8-10-13-17-17-17-17-14-16	
4360		18-13-15-17-15-12-16-18-18-18	
4370		14-18-17-20-18-19-20-20-18-19	
4380		18-18-17-17-15-14-12-20-15-13	SR @ 4377'
4390		17-12-12-11-10-9-8-9-12-14	Trip Bit W-7 @ 4381'
4400		11-16-15-14-13-14-14-14-12-12	
4400-4410		13-12-12-11-11-12-13-11-13-13	
4420		13-13-15-13-12-13-13-10-15-11	
4430		11-10-9-8-9-12-11-8-6-5	Circ. DST #7 @ 4426'
4440		5-6-7-7-5-6-5-5-5-7	Circ. @ 4432' & 4437'
4450		5-6-6-7-7-9-11-13-11-9	

STATE RECORD
MAY 22 1990
CONSERVATION DIVISION
Wichita, Kansas

Houston & Sierra
Wiles #1
NW SE NW, Section 15-25S-15W
Stafford County, Kansas

Depth

From	To	Drilling Time Per Foot	Remarks
4450-4460		9-10-8-8-8-8-8-6-7-9	Circ. @ 4454'
	4470	8-9-13-10-9-8-10-X-10-9	Circ. @ 4470'
	4480	8-8-10-10-10-10-10-12-10-8	
	4490	5-2-2-3-5-8-13-9-12-15	Circ. @ 4485'
	4500	25-24-11-9-10-8-10-8-7-6	Trip Bit W-7R @ 4492'
4500-4510		6-13-11-9-10-11-16-15-10-10	Circ. RTD @ 4510'

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CONSERVATION DIVISION
Wichita, Kansas

**SERRA PETROLEUM CO., INC.
WELL COMPLETION REPORT ON**

**WILES #1
NW SE NW Sec 15-25S-15W
Stafford County, Kansas**

**ID 4512.90
Elev: 2030 KB
5 1/2 @ 4199.79 w/175 ex
Shoe Jt. 24.31
Zero 6.50 ABH**

10/22/59 Move in Wiggins Spudder, rig up. Swab out 1200' of water.

10/23/59 String in to float 4176'. C.T.M. Swab out water to 4175.48
Rig up Welox to log. Perforate 6 HPF from 3915-3918, gas to
surface immediately, spray of oil. Shut in.

10/24/59 Move in and hook up Separator, start well to flow.
4 1/2 hrs flowing appx 4 gal oil. gas flow 8 to 900,000
ft of gas.

10/25/59 Flowing well. Tear down Unit. Shut in pressure 1140#.

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CONSERVATION DIVISION
Wichita, Kansas

SIERRA PETROLEUM CO., INC.
ACID JOB

WILES #1
NW SE NW Sec 15-25S-15W
Stafford County, Kansas

ID 4176
Elev: 2030 KB
5 1/2 @ 4199.79
Zero 6.5 ABH
Shoe Jt. 24.31

11/2/59 Fill swab tank w/water.

11/3/59 Rig up Acid Eng. Truck, kill gas, 101 bbls. Run 2" EUE tubing w/Pratt Well Service Unit. Acidized by Acid Eng. Used 1500 gal reg acid. Max press 650#, small break. Speed up Pump. Complete on 800#. Press drop in 1 min, 650#, 4 min 700#. Total fluid 158 bbl, 11 min vac. Start to swab. Flowing. Steady after two pulls. Flowed pits full of water and oil. Switch to tank, flowed 33 bbls in 50 min. Shut in.

11/4/59 Flowing well.

9:30 am	1st hr	25.17 bbls	24% BSW
	2nd hr	14.00	15% BSW
	3rd hr	7.02	6% BSW
	4th hr	8.17	6% BSW
	5th hr	10.53	6% BSW Open flow gas
	6th hr	14.00	6% BSW 10# or 2,310,000
	7th hr	12.87	6% BSW
	8th hr	11.70	6% BSW

Press on trap 50#
Press on tubing 125#
Shut in pressure - 1000# in 20 min
800# on casing.

STATE OF KANSAS
MAY 22 1990
CONSERVATION DIVISION
Wichita, Kansas