

STATE OF KANSAS
STATE CORPORATION COMMISSION
CONSERVATION DIVISION
500 INSURANCE BUILDING
212 NORTH MARKET
WICHITA 2, KANSAS

15-179-05235-00-00

WELL PLUGGING APPLICATION FORM
File One Copy

Lease Owner Drillers-Producers Pipe & Supply Co., Inc.
(Applicant)
Address Box 368, Great Bend, Kansas

Lease (Farm Name) Elsie Wessel Well No. 4

Well Location NE. NW NW Sec. 27 Twp. 6 Rge. 29 (E) (W)

County Sheridan Field Name (If any) _____

Total Depth 4140 Oil Well Gas Well _____ Input Well _____ SWD Well _____ D & A _____

Was well log filed with application? yes If not, explain: _____

Date and hour plugging is desired to begin September 16, 1959

Plugging of the well will be done in accordance with the Rules and Regulations of the State Corporation Commission.

Name of person on the lease in charge of well for owner Southwest Casing Pulling Co., Inc.
Address Box 364, Great Bend, Kansas

Plugging Contractor Southwest Casing Pulling Co., Inc. License No. 399
Address Box 364, Great Bend, Kansas

Invoice covering assessment for plugging this well should be sent to _____

Southwest Casing Pulling Co., Inc. Address Box 364, Great Bend, Kansas

and payment well be guaranteed by applicant.

PLUGGING

File Sec. 27 T. 6 R. 29W

Book Page 2 Line 38

Signed: Roy L. Myers Roy L. Myers Sec. Treas.
Applicant or Acting Agent

Date: September 10, 1959

RECEIVED
STATE CORPORATION COMMISSION

SEP 11 1959

CONSERVATION DIVISION
Wichita, Kansas

9-11-59

15-179-05235-0600

February 3, 1954

Westpan Hydrocarbon Company
418 Polk Street
Amarillo, Texas

Gentlemen:

This is a report on your-

4 Elsie Vessel
NE NW NW 27-0-29W
Sheridan County, Kansas

Was present on this well through the rotary drilling from 3600 to 4140 total depth. Examined all drill cuttings through these depths.

Also supervised the completion of this well during its cable tool test period.

The following interpretation is compiled from combined sample analysis, drill time and electric logs.

(All Figures Rotary Pushing Datum)

Elevation 2820.

In Webeunsee Group (Tarkio)	3606-3609	Oil stain. Semi-por. A fossil cast por.
" " "	3662-3672	Dark asphaltic stain. Spotted porosity.
Howard Lime	3694-3704	No oil stain. Good por. Dolomitic lime.
Top Topeka lime	3710	Datum -890. 1 ft. higher #2 Elsie W.
good porosity. No oil stain.	3726-3747	Dolomitic & calcitic lime.
" " Asphaltic st. in top	3766-3785	Pinpoint porosity. Dolomitic lime.
" " Dark oil & asph. specks	3831-3840	Dolomitic inter-xline porosity.
" " No oil stains	3872-3900	" " " "
Heebner shale	3903-3907	Datum -1083. 1 ft. lower #2 Elsie.
Toronto lime	3928-3936	Datum -1108. Level with #2 Elsie.
spotted por. Dark oil stain.	3931-3932	Pinpoint to fossil cast porosity.
" " " " "	3935-3936	" " " " "
Top Lansing lime	3941	Datum -1121. 1 ft. lower #2 Elsie.
Slight por. Trace oil stain	3956-3957	Small vugular.
" " Dark oil stain	3974-3975	Pinpoint to dolomitic spots
" " " " "	3981-3984	" " " "
Fair porosity. " " "	3988-3989	Small vugular. Glauconite spots.

Top Lansing lime (Continued)

fair porosity. Trace oil stain 3992-3995 Semi-ool. with "greasy spots"
Wyandotte Lime. Tr. oil stain 4011-4021 Datum -1191. 7 ft. lower #2 Elsie.
Producing zone in some wells in the Wessel Pool. Badly broken with shale
in this well. Lime is in part red to reddish buff. Lime in part "coated"
with powdered red shale. Mixed color shales present-purple, maroon, yellow,
green.

- (1) Drill Stem Test3993-4020 Open 1 hour. S.I.P. 15 min.
Light blow throughout. Recovery 218 feet water
Flow pressure 35#-48#. B.H.P. 48#. Hydrostatic 2045#.

Water Analysis - Halliburton. Bill Hoffman, Analyst.

Hydrogen Sulfide	None	Chlorides	42,000
Specific gravity	1.048	Sulfates	3,600
Total solids	69,100	P.H.	8.0

slight porosity. No oil stains 4033-4035 Dolomitic inter-xline porosity.
good porosity. " " " 4040-4045 " " " " "

Winterset Lime 4093 Datum -1273. 4 ft. lower #2 Elsie.
fair porosity. Light oil stains 4094-4098 Dolomitic & semi-oolicastic
slight " " " " 4101-4102 Dolomitic streaks in white lime.
" " " " " 4104-4105 " " " " "
Base Winterset lime 4107

The Winterset is the important producing horizon in the Wessel Pool.

- (2) Drill Stem Test 4074-4110 Failed. Packer did not hold
(3) Drill Stem Test 4072-4110 " " " " "

Drill ahead with rotary.

Slight porosity. No oil stains 4121-4124 Inter-xline porosity.

Rotary total depth 4140 Drillers.
Rotary total depth 4139 Schlumberger
Casing - 5 1/2" 14# J55 Cemented at 4138 Cement 160 sax.

Rotary job complete.

Respectfully submitted,

Richard C. Foley

Richard C. M. Foley

RCMF:s

cc- R. E. Mullin
Kansas City, Mo.

J. L. Haines
Great Bend, Kansas

B I T R E C O R D

<u>RUN NO.</u>	<u>SIZE BIT</u>	<u>MAKE BIT</u>	<u>TYPE CONE</u>	<u>SERIAL NO.</u>	<u>DEPTH</u>	<u>FOOTAGE</u>	<u>HRS. RUN</u>	<u>PTS. WOT.</u>	<u>PUMP PRESS.</u>	<u>RPM</u>	<u>REMARKS</u>
	12 1/2	CP		Re-run	0- 230	230	6	all	200#	125	Surface hole
1	7 7/8	Reed	LT 3J	4664	230-1930	1700	19	"	400#	"	
2	"	Hughes	OSCJ	86750	1930-2555	625	13 1/2	12	450#	"	
3	"	"	OSC3J	17059	2555-2885	330	16 1/2	"	"	"	
4	"	"	OSC	5164	2885-3315	430	24 3/4	"	400#	90	
5	"	"	"	5136	3315-3518	230	20 1/2	"	450#	"	
6	"	"	"	5155	3518-3890	375	24 1/2	15	475#	"	
7	"	"	W7	97037	3890-4020	130	17 1/2	"	500#	"	
8	"	"	"	8635	4020-4110	90	15 1/2	"	550#	70	
9	"	"	OSQ	98644	4110-4140	30	5 1/2	"	"	"	

Westpan Hydrocarbon Company
 # 4 Elsie Wessel
 NE NW NW 27-6-29W
 Sheridan County, Kansas

Contractor: Bill Hay Drilling Co., Tel. 843
 371 W. 3rd St., Hoisington, Ks.
 TOOL PUSHER: E. L. Browning
 DRILLERS: Chet Lacy, E. G. Holcomb, S. J. Holcomb

START DRILL: August 27, 1953 (10:00 P.M.)
 COMP. DRILL: September 7, 1953 (5:30 A.M.)

SURFACE PIPE: 8 5/8 set at 230 w/160 sax. 100#cc 8-28-53 6:30 A.M.
 Start drill under surface pipe 8-29-53 6:30 A.M.

CENTRALIZERS: 3992-4034-4066-4104-4126
 CASING: 5 1/2" 14# J55 set at 4138
 Cement 160 sax common
 40# Flocele at 1/2" mix.

TYPE RIG: Wilson Giant "RoadAir"
 TYPE POWER: General Motors Twin 671-
 each 250 H.P.
 TYPE PUMP: Bethlehem GEI 225
 SIZE PUMP: 7 x 14 5/8" SPM
 TYPE FUEL: Kerosene & Diesel
 WATER SUPPLY: Water well 128'. 30BHP
 TYPE MAST: Lee C. Moore 87'
 TYPE ROTARY TABLE: Bethelam Gumbo Buster
 WEIGHT INDICATOR: Martin Decker "Clipper"
 SIZE DRILL PIPE: 4 1/2"

15-19-05235-06:00

18-179-052 35-00-00

Westpan Hydrocarbon Co.
 # 4 Elsie Wessel
 NE NE NW 27-6-29W
 Sheridan County, Kansas
 Elevation 2820 RB

DRILL TIME RECORD

(All Figures Rotary Bushing Datum)

<u>DEPTH</u>	<u>MINUTES PER FOOT</u>	<u>REMARKS</u>
3200-3210	4-4-4-5-5-3-2-3-2-2	SR at 3208
3210-3220	3-2-1-1-1-1-1-1-2-2	
3220-3230	1-2-2-2-1-1-3-2-2-1	
3230-3240	1-1-1-2-2-2-1-3-5-5	Visc. 35. Wgt. 9.5
3240-3250	7-7-7-9-8-6-7-5-3-3	
3250-3260	3-2-6-6-6-7-7-7-6-8	
3260-3270	8-3-2-1-1-4-4-4-5-5	Mixed mud.
3270-3280	7-5-6-5-7-10-7-8-10-6	
3280-3290	10-10-5-7-8-9-8-8-8-8	
3290-3300	7-7-8-9-9-10-11-9-9-10	
3300-3310	12-10-10-10-10-11-9-9-7-8	
3310-3320	11-11-10-11-10-7-8-7-6-5	New OSC bit.
3320-3330	5-4-5-4-3-3-8-6-6-9	
3330-3340	7-13-4-6-9-5-7-5-4-6	
3340-3350	8-10-10-7-5-3-5-5-6-2	
3350-3360	6-7-3-4-4-4-3-2-4-3	
3360-3370	4-4-3-1-2-2-1-1-2-2	
3370-3380	3-3-2-3-3-4-5-4-4-3	
3380-3390	2-3-4-4-3-2-1-5-9-9	Mixed mud.
3390-3400	8-8-9-6-7-8-5-7-6-6	
3400-3410	5-5-4-2-2-7-2-5-7-6	Visc. 44. Wgt. 9.6
3410-3420	5-6-2-5-6-6-7-6-7-8	
3420-3430	7-3-5-7-4-4-6-6-8-5	Visc. 40. Wgt. 9.6
3430-3440	5-3-2-3-5-5-7-8-7-8	
3440-3450	9-8-8-10-9-12-10-8-11-8	Visc. 37. Wgt. 9.6
3450-3460	7-6-4-5-7-9-10-7-5-8	Visc. 41. Wgt. 9.7
3460-3470	8-11-6-11-9-5-6-6-7-8	
3470-3480	7-7-6-9-10-10-7-11-9-9	Visc. 52. Wgt. 9.6
3480-3490	9-7-8-7-8-7-7-5-5-4	Visc. 52. Wgt. 9.6
3490-3500	4-1-1-3-4-5-6-5-5-6	Visc. 52. Wgt. 9.6
3500-3510	6-7-5-5-7-8-6-5-5-6	Visc. 45. Wgt. 9.6
3510-3520	11-7-8-10-8-7-10-10-5-5	Visc. 45. Wgt. 9.4 Trip at 3518.
3520-3530	3-4-4-2-4-3-2-3-5-4	Visc. 44. Wgt. 9.8
3530-3540	5-5-3-2-2-2-5-4-5-4	
3540-3550	2-3-2-2-2-4-3-6-5-5	
3550-3560	2-2-3-3-3-2-3-2-5-3	

Drill Time Record (Continued)

<u>DEPTH</u>	<u>MINUTES P.L.R FOOT</u>	<u>REMARKS</u>
3560-3570	3-2-2-4-2-5-3-3-3-3	
3570-3580	3-3-2-2-2-2-1-3-1-2	
3580-3590	3-3-2-2-2-3-3-3-3-2	
3590-3600	2-2-2-4-2-4-3-4-3-6	Visc. 44. Wgt. 9.6
3600-3610	3-2-2-2-4-4-5-4-5-4	
3610-3620	2-4-3-3-4-2-2-5-4-4	
3620-3630	4-1-2-4-4-5-3-5-3-2	
3630-3640	6-4-6-4-5-4-4-5-4-3	
3640-3650	2-2-5-2-3-2-1-2-4-3	
3650-3660	4-5-3-4-4-3-3-3-3-3	Visc. 43. Wgt. 9.6
3660-3670	1-3-3-3-3-3-4-4-3-3	
3670-3680	4-4-4-3-8-7-7-7-5-4	
3680-3690	4-3-4-4-3-4-4-5-7-5	Visc. 43. Wgt. 9.8
3690-3700	5-7-5-4-5-3-2-4-3-2	
3700-3710	2-2-2-4-4-2-3-3-3-3	
3710-3720	3-3-2-3-3-4-3-5-4-4	
3720-3730	5-5-5-4-5-4-5-5-5-5	Visc. 41. Wgt. 9.8
3730-3740	5-4-5-3-3-5-5-5-3-3	
3740-3750	4-4-3-3-4-2-3-4-5-5	Visc. 38. Wgt. 9.8
3750-3760	5-5-5-4-5-4-5-6-6-5	
3760-3770	5-5-6-11-4-5-3-4-2-2	Visc. 37. Wgt. 9.8
3770-3780	3-5-2-2-2-2-3-3-3-3	
3780-3790	4-5-3-4-4-4-4-5-4-6	
3790-3800	6-5-3-3-3-3-3-3-4-7	Visc. 37. Wgt. 9.7
3800-3810	5-6-5-4-6-4-4-4-4-6	Visc. 28. Wgt. 9.7
3810-3820	8-7-6-6-6-7-5-5-4-4	Visc. 39. Wgt. 9.8
3820-3830	3-4-3-3-4-4-6-4-4-5	
3830-3840	5-4-4-2-3-3-2-4-5-4	
3840-3850	5-4-3-2-2-4-4-4-4-5	
3850-3860	5-5-6-4-3-5-6-6-5-5	
3860-3870	5-3-2-4-3-3-5-6-4-3	
3870-3880	2-4-6-7-8-6-4-3-3-8	
3880-3890	5-8-4-2-3-3-4-4-4-3	Mixing soda ash. Trip new bit W7, 3890.
3890-3900	2-3-4-5-4-5-4-4-4-3	
3900-3910	6-6-9-7-4-4-3-3-5-4	
3910-3920	9-10-10-4-5-5-2-7-5-7	
3920-3930	7-7-6-8-8-6-8-7-6-9	
3930-3940	8-4-6-8-9-5-10-11-6-6	
3940-3950	8-6-10-9-10-10-10-15-9-7	SR at 3945
3950-3960	10-13-11-11-13-12-8-12-10-9	Visc. 45. Wgt. 10
3960-3970	9-4-4-6-6-5-6-5-7-7	Visc. 43. Wgt. 10
3970-3980	6-7-6-9-9-8-13-8-10-5	SR at 3976, 3978. Visc. 41. Wgt. 10
3980-3990	4-6-5-10-10-11-12-12-11-12	
3990-4000	12-12-12-13-13-13-14-14-7-6	Visc. 42. Wgt. 10

Drill Time Record (Continued)

<u>DEPTH</u>	<u>MINUTES PER FOOT</u>	<u>REMARKS</u>
4000-4010	7-10-10-10-7-6-8-7-7-7	
4010-4020	9-7-7-10-7-9-7-9-8-7	Visc. 39. Wgt. 10. Circ. $\frac{1}{2}$ hr. D.S.T. 4020
4020-4030	2-10-10-7-4-6-5-5-5-6	Visc. 38. Wgt. 9.8
4030-4040	10-13-12-11-11-10-13-12-13-13	Visc. 40. Wgt. 9.7
4040-4050	11-10-10-8-10-10-13-11-20-6	Visc. 40. Wgt. 9.8
4050-4060	20-19-15-10-8-10-9-9-8-9	Visc. 40. Wgt. 9.7
4060-4070	9-18-12-11-19-20-19-11-10-11	Visc. 39. Wgt. 9.8 SR 4068
4070-4080	15-15-13-17-12-6-6-9-9-6	Visc. 38. Wgt. 9.9
4080-4090	6-8-6-5-6-6-5-5-6-5	Visc. 38. Wgt. 10
4090-4100	6-7-6-5-4-7-8-7-8-9	SR 4096, 4097.
4100-4110	9-10-11-10-10-10-11-10-5-6	4101 - Visc. 38. Wgt. 10; 4109 - Visc. 39,
4110-4120	4-7-6-8-10-9-10-8-9-9	SR at 4112 Wgt. 10
4120-4130	8-6-8-12-10-10-10-13-9-10	Visc. 40 Wgt. 9.9
4130-4140	8-9-12-13-11-12-10-10-9-11	
4140	TOTAL DEPTH.	

SUMMARY

DRILL STEM TESTS

Halliburton
Plainville, Kansas

Foley Form #2

TEST NO.	FORMATION	DEPTH	TIME		OPEN PERFORMANCE	PRESSURE				RECOVERY
			OPEN	S.I.P		I.FLOW	F.FLOW	B.H.P	H*STATIC	
1	Lansing-Kansas City Wyanotte lime	3993-4020	1 Hr.	15 min	Light blow throughout	35#	48#	48#	2045#	218 ft. water.
2	Winterset lime	4074-4110			Failed. Packer did not hold.					
3	Winterset lime	4072-4110			Failed. Packer did not hold.					

WESTPAN HYDROCARBON CO.

4 Elsie Wessel
NE NW NW 27-6-29W
Sheridan County, Kansas

18-179-05235-00-00

15-179-05235-00-00

Westpan Hydrocarbon Co.
 # 4 Elsie Wessel
 NE NW NW 27-6-29W
 Sheridan County, Kansas
 Elevation 2820 RB

CABLE TOOL TEST PERIOD

Rotary total depth 4140.
 5 1/2" casing set at 4138.

Zero point 6.45 feet above "Bradenhead" for rotary bushing datum.

9-17-53 10:00 AM Move in cable tool unit
 1:00 PM Start bail hole.
 9-18-53 1:30 AM Hole bailed dry.
 6:30 " Drill float collar and cement out to 4128.
 9:00 " Start Lane Wells Radio-activity electric log survey.
 1:30 PM Survey complete.
 Prepare for cement "block squeeze" job.

Note - In this area it is necessary to "squeeze" above and below pay zone before "perforating" pay for its production.

9-18-53 2:07 PM Perforate 16 Kones 4118-4119 Lane Wells 4-way squeeze gun.
 3:25 " " " " 4082-4083 " " " " " "
 6:30 " Tubing landed Halliburton D.M. cement retainer at 4060.
 "Breaking Pressure" 2100# Input rate 2 bbl. per min. at 1400#

CEMENT SQUEEZE

8:30 PM	Start mixing cement			
	Tubing pressure	1400#	Casing Pressure	600#.
8:35 "	"	1000#	"	"
8:37 "	"	800#	"	"
8:43 "	"	500#	"	"
8:45 "	"	200#	"	"
8:46 "	"	0#	"	"
8:48 "	"	900#	"	"
8:52 "	"	1000#	"	"
8:53 "	"	1200#	"	"
8:54 "	"	1600#	"	"
8:54 1/2 "	"	1800#	"	"
8:55 "	"	1400#	"	"
8:56 "	"	1100#	"	"
8:59 "	"	1400#	"	"
9:02 "	"	1600#	"	"
9:04 "	"	1500#	"	"
9:10 "	"	1700#	"	"
9:12 "	"	1800#	"	"
9:15 "	"	1700#	"	"

250 sax mixed

Cable Tool Test Period (Continued)

Date	Time	Pressure	Notes	
9-18-53	9:22 PM	Tubing Pressure 1800#	Casing Pressure 600#	
	9:25 "	" " 1900#	" " "	
	9:30 "	" " 2000#	" " "	
	9:38 "	" " 2100#	" " "	
	9:39 "	" " 2200#	" " "	
	9:42 "	" " 2300#	" " "	
	9:43 "	" " 1900#	" " "	
	9:44 "	" " 2000#	" " "	
	9:45 "	" " 2200#	" " "	
	9:46 "	" " 2300#	" " "	
	9:47 "	" " 1700#	" " "	
	9:48 "	" " 1800#	" " "	
	9:49 "	" " 2000#	" " "	
	9:50 "	" " 2200#	" " "	
	9:51 "	" " 2400#	" " "	
	9:52 "	" " 2500#	" " "	
	9:53 "	" " 2500#	" " "	
	10:20 "	"Backwash" thru tubing	" " 900#	Backwash 31 sax.

Job complete. Total 439 sax cement in the formation.
 Squeeze two group perforations at same time 4118-4119 & 4082-4083.

9-20-53	12:00 M	Start bail hole.
	12:30 PM	Hole bailed dry.
	1:00 PM	Start drill D.M. cement retainer.
	6:00 "	Drill up retainer and cement out to 4105.

9-22-53	7:45 AM	Perforate Winterset 20 holes 4095-4098. Lane wells Type "E" Gun. Show oil in 2 "ports" on the gun. "Terrific high winds & dust".
	8:24 "	Bailer test 1 gal. muddy water.
	9:15 "	Start tubing in hole. Preparing to acidize.
	1:30 PM	Tubing landed. Halliburton H.M. packer set at 4089. Bottom tail pipe 4092.

ACIDIZE
 (500 Gal.)

9-22-53	2:10 PM	Start oil to fill hole. Dowell. Treaters-Quinn & Friesen.
	2:45 "	Hole full. Pressure up casing to 700#.
	2:55 "	Start acid. 500 gal. XM 38W17
		Pressure as follows-
	3:20 "	Casing 500# Tubing 300# Acid on bottom.
	3:27 "	" " " 200#
	3:30 "	" " " 100# 3 bbl. acid in. Start P.M. tool in hole.
	3:50 "	" Vac " Vac Start flush.
	4:08 "	" " " " 12 bbl. acid in. Flush with 12 bbl. oil

Note - Total oil used in treatment 104.67 bbls. Radio-Active Channel Determinative Survey shows all acid "input" between 4092 and 4097.

9-22-53	4:30 PM	Start out hole with tubing.
	8:30 "	Out hole with tubing and packer.
	10:00 "	Start swab hole. Fluid 1800 ft. from top. 2305 feet oil in the hole. 56.24 bbls. oil.

Cable Tool Test Period (Continued)

SWAB TEST
(After 500 gal. acid)

9-22-53	11:30 PM	65.89	bbls.	oil swabbed back.	Swab through casing.
9-23-53	12:30 AM	10.44	"	"	
	1:30 "	10.44	"	"	
	2:30 "	8.70	"	"	
	3:30 "	6.96	"	"	
	4:30 "	6.96	"	"	109.39 bbls. All "load" back plus 4.72 bbls.
	5:30 "	6.38	"	"	
	6:30 "	5.80	"	"	
	7:30 "	6.96	"	"	
	8:30 "	4.64	"	"	
	9:30 "	6.38	"	"	
	10:30 "	4.06	"	"	Put on new swab rubbers.
	11:30 "	5.80	"	"	
	12:30 PM	5.80	"	"	
	1:30 "	5.22	"	"	
	2:30 "	4.64	"	"	
	3:30 "	4.64	"	"	
	4:30 "	4.64	"	"	64.96 bbls. in 1st 12 hrs. after load back.
	5:30 "	4.64	"	"	
	6:30 "	4.46	"	"	
	7:30 "	4.06	"	"	
	8:30 "	3.48	"	"	
	9:30 "	3.48	"	"	
	10:30 "	4.06	"	"	
	11:30 "	3.48	"	"	
9-24-53	12:30 AM	3.48	"	"	
	1:30 "	3.48	"	"	
	2:30 "	3.48	"	"	
	3:30 "	3.48	"	"	
	4:30 "	2.90	"	"	44.48 bbls. in 2nd 12 hrs. Total 109.44 bbls. 24 hrs.
	5:30 "	2.90	"	"	
	6:30 "	3.48	"	"	
	7:30 "	2.90	"	"	
	8:30 "	3.48	"	"	
	9:30 "	3.48	"	"	
	10:30 "	3.48	"	"	
	11:30 "	3.48	"	"	23.20 bbls. next 7 hrs. Total 132.64 bbls. 31 hrs.
	3:15 PM				Start tubing in hole to reacidize.
	5:35 PM				Tubing landed. H.M. packer tool set at 4089, to test squeeze 4082-83. Pump 26 bbls. oil down tubing. "Blow" on casing proved communication between perforations 4082-4083 and 4095-4098.
	6:20 AM				Raise tubing set packer at 4077 above perforations 4082-4083. To avoid using excessive amount of oil. Pump 62 bbls. oil in "annulus". Run "Gamma Ray" tool for natural log, before R.A. survey.

Cable Tool Test Period (Continued)

ACIDIZE
(1500 Gal.)

9-24-53 7:45 PM Start acid. 1500 gal. Jel x 100. Dowell.
 7:50 " Acid on bottom. Casing pressure Off. Tubing on vacuum.
 8:06 " Acid in. 1500 gal. (36 bbls.)
 8:13 " Start flush with oil. Use 10 bbls. oil.

Note - Total oil used in treatment 98 bbls.
 Radio Active Channel Determinative Survey shows
 all acid "input" between 4094-4097. Treatment complete.

9:30 PM Start out hole with tubing.

9-25-53 12:30 AM Out hole with tubing. Prepare for swab test.
 1:45 " Start swab. Fluid 2050 feet from top. 2055 feet oil in hole.

SWAB TEST
(After 1500 gal. acid)

9-25-53 3:40 AM 8 1/2 bbls. Swabbed to bottom
 4:40 " 12.76 "
 5:40 " 6.96 " 103.72 bbls. All "load back plus 5.72 bbls.
 6:40 " 5.80 "
 7:40 " 4.64 "
 8:40 " 5.80 "
 9:40 " 5.80 "
 10:40 " 5.80 "
 11:40 " 5.22 "
 12:40 PM 5.80 "
 1:40 " 4.64 "
 2:40 " 5.22 "
 3:40 " 4.64 "
 4:40 " 4.64 "
 5:40 " 5.22 " 63.22 bbls. 1st 12 hrs. after load back.
 6:40 " 4.64 "
 7:40 " 4.64 "
 8:40 " 4.64 "
 9:40 " 4.64 "
 10:40 " 5.80 "
 11:40 " 5.80 "

9-26-53 12:40 AM 4.64 "
 1:40 " 4.64 "
 2:40 " 4.64 "
 3:40 " 0.00 " Swab rubbers tore up. Dry run.
 4:40 " 4.64 "
 5:40 " 3.48 "
 6:40 " 4.64 " 56.84 bbls. in 2nd 12 hrs. Total 120.06 bbls. 24 hrs.
 Average 5 bbls. per hour for 24 hours.

Page 5
#4 Elsie Wessel
27-6-29W

15-179-052 35-00-00

Cable Tool Test Period (Continued)

SWAB TEST (Cont'd.)

9-26-53 8:45 AM Start tubing in hole. Ran 131 jts. (plus 10' - 8' & 2' subs).
12:00 N Tubing landed. Set 2½ feet off bottom at 4102½.
2:00 PM Start rods in hole. Jones 3/4" #2 rods.
4:45 " Ran 162 rods. (Plus 6 ft & 2 ft. subs.) Plus 2 ft. rod for
handling. 10 ft. x 1¼" O'Bannon Pump. 16 ft. 1¼" polish rod.
Hung well 1 foot off bottom.

State potential test 111 bbls. oil.

CONTRACTOR: Wood & Hay Drill. Co.
Hoisington, Kansas.
TOOL PUSHER: L.M. Smith Tel. 664
Lyons Kansas.
DRILLERS : Robert Hodges-Geo. Welling
TOOL DRESSERS: Elmer Ibach-Roy Robinson

TYPE UNIT: Walker Neer C-34
Type Mast: Cardwell 70 ft.
Type Power: Waikesha GK 145 H.P.
Type Fuel: Butane-Propane
Water Supply: Water Well 128 Ft.
30 BWPH

State of Kansas



15-179-05239-00-00

GEORGE DOCKING Governor
 HARRY G. WILES Chairman
 MARION BEATTY Commissioner
 RICHARD C. BYRD Commissioner
 RAYMOND B. HARVEY Secretary
 J. ROBERT WILSON Counsel

State Corporation Commission

CONSERVATION DIVISION

(Oil, Gas and Water)
 500 Insurance Bldg. 212 N. Market
 WICHITA, KANSAS
 JEWEL M. OGDEN, Director

WELL PLUGGING AUTHORITY

September 14, 1959

Well No. 4
 Lease Wessel
 Description NE 1/4 SW 27-6-29N
 County Sheridan
 File No. 2-36

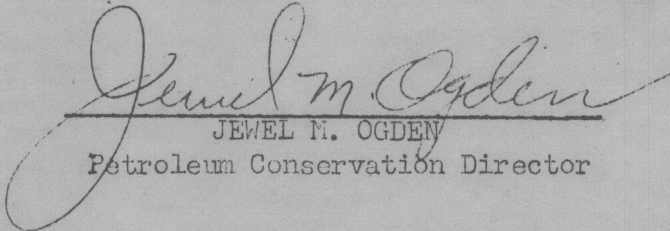
Drillers-Producers Pipe & Supply Co.
 Box 368
 Great Bend, Kansas

Gentlemen:

This is your authority to plug the above subject well in accordance with the Rules and Regulations of the State Corporation Commission.

This authority is void after 90 days from the above date.

Very truly yours,


 JEWEL M. OGDEN
 Petroleum Conservation Director

Mr. _____ is hereby assigned to supervise the plugging of the above named well.

In the event you need any further information regarding this well fell free to write or call me at any time.

J. Lewis Brock
 Western Kansas Field Supervisor
 P. O. Box 569
 Great Bend, Kansas
 Phone: GL-33022