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

WELL PLUGGING APPLICATION FORM  
File One Copy

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

Well Location  NE SW NW  
Sec. 27  Twp. 6  Rge. 29 (E) (W)  
County  Sherridan  
Field Name (If any)  

Total Depth  14151  
Oil Well  X  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 11, 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  Rge. 29  
Book Page 2  SEP 1959  

Signed:  Roy L. Myers Sec. Treas.  
Applicant or Acting Agent.  
Date:  September 10, 1959  

CONSERVATION DIVISION  
Wichita, Kansas  
9-17-59
WESTSPAN HYDROCARBON COMPANY

# 3 Elsie Wessel
NE SW NW 27-6-29W

SHERIDAN COUNTY KANSAS

PLUGGING
File Sec. 27 T 6 R 29W
Book Page 2 Line 59
Westpen Hydrocarbon Co.
418 Polk Street.
Amarillo, Texas

Gentlemen:

This report with detailed information is on your:

# 3 Elsie Wessel
NE SW NW 27-6-29W
Sheridan County, Kansas

Was present on this well through the rotary drilling from 3600 to 4150 total depth. Examined all drill cuttings through these depths.

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

(All Figures Rotary Bushing)

Elevation 2834.

In Wabaunsee Group (Tarkio?)......... 3607-3610
" " " " " 3672-3675

Top of Topeka lime ...................... 3720
dark oil stains 3720-3724
asphaltic, dark oil stains. (Top only) 3779-3786
black asphaltic stain 3844-3851
asphaltic stain. Top part only 3863-3868

Hebner shale .................. 3914-3919

Toronto Lime .......................... 3942-3949
dark oil stain. Paint odor 3944-3948

Top Lancing Group...................... 3955
spotted dark oil stains 3957-3959
many dark oil stains 3953-3987
slight trace oil stain 3995-3998

Stain dark oil. Fossil cast por. Spotted.
Spotted small vug. Asphaltic dark oil stain.

Datum -386. Level with #1 Wessel.
small vugular porosity.
" " " " "  Pinpoint porosity. 3886

Datum -1080. 4 feet lower #1 Wessel.
Datum -1108. 3 feet lower #1 Wessel.
Datum -1121. 3 feet lower #1 Wessel.
small vugular dolomite
Pinpoint dol. spots. White dense lime.
Trace porosity. Cherty lime.
Top Wyandotte lime ................. 4020
  trace oil stain 4020-4021
  mainly yellow, Tr. pink-red lime 4021-4030
  trace few pieces with oil stain 4030-4035
Base Wyandotte lime ................. 4035

(1) Drill Stem Test ................. 4008-4035
    Halliburton Hydrospring Tester.
    Recovery 5 feet mud. Flow pressure 0#.
Datum -1186. 5 feet lower 11 Wessel.
Tr. por. Buff to brown dense lime
Ten dol. spots in white dense lime
Thickness Wyandotte 15 feet.

Top Winterset lime .................. 4107
  slight to fair light brown oil stains
  crushing sample-free oil appears
Base Winterset lime .................. 4118

(2) Drill Stem Test ................. 4089-4120
    Packer did not hold. Test failed.
    Halliburton Hydrospring Tester 6" off bottom packer exploded into minute
    rubber shreds.
Datum -1273. 1 ft. lower 11 Wessel.
Spotted brown dolomite spots
" white dol. lime inter-xline
Thickness Winterset lime 11 feet.

(3) Drill Stem Test ................. 4084-4120
    Open 1 Hr. Weak blow 7 min. Dead.
    Halliburton Hydrospring Tester.
    Recovery 8 feet mud with good spots of oil. Spots about 1 1/2" diameter.
    Flow pressure 0#. B.H.P. 55#. Hydrostatic pressure 2005#.

Rotary total depth ................. 4150
Drillers.
Rotary total depth ................. 4151
Schlumberger.

Centralizers on casing- 4003-4040-4081-4115-4141

Casing- 5 7/8" 14# J55 cemented at ........... 4150#
    Cement with 160 sac common bulk
cement. 40# Floccule used at 2# mix.

Lost Circulation Points - 13 feet (digging rat hole) 2295 and 2315.

July 6, 1953. 11:10 PM. Plug down. Rotary job complete.

Respectfully submitted,

Richard Foley

RICHARD C. M. FOLEY

RCMP:

cc - Lotus Oil Company
    Kansas City, Mo.

J. L. Haines
    Great Bend, Kansas
CABLE TOOL TESTING REPORT

NOTE- "Zero Point" for Rotary Dishing Datum. 7.60 feet above Braden Head.

7-8-53  Cable tools moved in.
7-9-53  1:00 PM Hole bailed dry.
        2:00 AM Start drill Halliburton cementing plug. Plug drifting in hole.
        4:30 AM Plug and cement drilled out to 4121\(\frac{3}{8}\)
        11:10 AM Cement time (72 hrs.) up. Start drill out.

7-10-53  8:00 AM Cement drilled out to 4138\(\frac{1}{8}\). Start electric log survey.
        10:00 AM Lane Wells Radioactivity Electric Log complete.
        Prepare for cement "block" squeeze job above and below Winterroth pay.
        10:28 AM Perforate 16 Kones 4136-4137 Lane Wells Four Way squeeze gun.
        Used 100 feet water load since shooting nearly on bottom.
        11:25 AM Hole bailed down and tested. Making \(\frac{1}{2}\) bailer water each run of bailer.
        11:50 AM Perforate 16 Kones 4080-4081 Lane Wells Four Way squeeze gun.
        12:10 PM Bailer test. Shows increase in water. Now 1 full bailer each run.
        12:15 PM Start tubing in hole for cement squeeze job.
        3:45 PM Tubing landed with Halliburton DM packer tool set at 4060. Start fill hole.
        5:00 PM Hole full. Break down pressure 1500 psi. Input rate 2 bbls. per min. at 1000 psi.
        5:30 PM Start mix cement.
        5:36 PM Tubing Pressure 1000 psi Casing Pressure 500 psi One side of pump working.
        5:38 PM 800 psi 700 psi 600 psi 400 psi 600 psi 700 psi 800 psi 900 psi 700 psi 600 psi 900 psi 800 psi 600 psi 600 psi 250 psi cement mixed.
        5:40 PM 800 psi 700 psi 600 psi 400 psi 600 psi 700 psi 800 psi 900 psi 700 psi 600 psi 900 psi 800 psi 600 psi 600 psi 250 psi cement mixed.
        5:42 PM 800 psi 700 psi 600 psi 400 psi 600 psi 700 psi 800 psi 900 psi 700 psi 600 psi 900 psi 800 psi 600 psi 600 psi 250 psi cement mixed.
        5:55 PM 800 psi 700 psi 600 psi 400 psi 600 psi 700 psi 800 psi 900 psi 700 psi 600 psi 900 psi 800 psi 600 psi 600 psi 250 psi cement mixed.
        6:05 PM 800 psi 700 psi 600 psi 400 psi 600 psi 700 psi 800 psi 900 psi 700 psi 600 psi 900 psi 800 psi 600 psi 600 psi 250 psi cement mixed.
        6:10 PM 800 psi 700 psi 600 psi 400 psi 600 psi 700 psi 800 psi 900 psi 700 psi 600 psi 900 psi 800 psi 600 psi 600 psi 250 psi cement mixed.
        6:17 PM 800 psi 700 psi 600 psi 400 psi 600 psi 700 psi 800 psi 900 psi 700 psi 600 psi 900 psi 800 psi 600 psi 600 psi 250 psi cement mixed.
        7:17 PM 800 psi 700 psi 600 psi 400 psi 600 psi 700 psi 800 psi 900 psi 700 psi 600 psi 900 psi 800 psi 600 psi 600 psi 250 psi cement mixed.
        7:22 PM 800 psi 700 psi 600 psi 400 psi 600 psi 700 psi 800 psi 900 psi 700 psi 600 psi 900 psi 800 psi 600 psi 600 psi 250 psi cement mixed.
        8:00 PM 800 psi 700 psi 600 psi 400 psi 600 psi 700 psi 800 psi 900 psi 700 psi 600 psi 900 psi 800 psi 600 psi 600 psi 250 psi cement mixed.

Final squeeze 2500 psi Estimated 496 psi in formation. 4 backwashed.

7-12-53  8:00 PM Start bail hole.

7-13-53  11:00 AM Hole drilled. Top cement retainer DM tool 4058 Halliburton line measure.
         1:00 PM Start drill retainer
         7:30 AM Complete drill retainer
         12:00 AM Drill cement out to 4100. Test 2 hrs. for leaks of perforations 4080-4081s.
         Test okay. Hole dry.
7-14-53  6:00 AM  Cement drilled out to 4130
    7:45 "  Lane Wells arrive to perforate hole.
    8:30 "  Start in hole with gun to perforate.
    9:10 "  Perforate 22 holes 4105-4109 Lane Wells Type "K" Gun.
            Lower 2½ ft. of gun shows oil. Bailing test 2 gal. oil per hr.
            With 4 gal. muddy water.
    10:30 "  500 gal acid. (12 bbl) in. Start oil to fill hole.
    11:10 "  Casing Pressure  200 # Hole full
    11:18 "  "  150 # Start flush
    11:22 "  "  500 #
    11:25 "  "  600 #
    11:35 "  "  550 # Start feeding
    11:36 "  "  450 # Pumping 1 gear.
    11:40 "  "  425 # 1½ bbl. acid in formation
    11:55 "  "  375 # 4½ # "  "  "
    12:15 PM "  "  350 # 10½ # "  "  "
    12:20 "  "  375 # 12 # "  "  "
    12:21 "  "  550 # 1 min. pressure drop
    12:25 "  "  500 # 5 # "  "  "
    1:30 "  "  50 # 1 hr. and 10 min. pressure drop.

Oil load used 101 bbl. 12 bbl. acid. Total load oil & acid 113 bbls.
    2:35 PM Start swab.
    6:30 "  Hole swabbed to bottom. Load back. Showing water.

7-15-53  7:30 AM Swabbing 5 bbls. water per hour. Small amount oil. For 13 hrs.
            Suspicion here that water coming from squeeze perforations 4080-4081
            That acid did not treat Winterset oil zone. Pressure build up during
            acid treatment indicated that something going wrong.

    Dowell Inc. Water Analysis Record. By C.R. Quinn Service Engineer
    Chloride 35,527   Sulphate 183
    H 2 S none   Sp. Gr. 1.048
    From water sample caught after 13 hours swabbing.

    2:00 PM Start tubing in hole for cement squeeze job.
    6:00 "  Tubing landed with Halliburton DM packer tool set at 4057
    10:53 "  Start mixing cement for DIESEL OIL CEMENT squeeze.
            Mixing cement with oil instead of water. Report by Klein Engineer.
            for Halliburton as follows-
    10:54 PM Tubing pressure  400 # Slurry weight 13.5 # per gal.
    11:00 "  "  450 # "  "  13.1 # "
    11:02 "  "  500 #
    11:03 "  "  400 # "  "  13.9 # per gal.
    11:04 "  "  0 #
    11:05 "  "  400 # "  "  13.6 # "
    11:07 "  "  800 #
    11:08 "  "  1200 # "  "  13.5 # "
    11:09 "  "  2100 # "  "  "
    11:10 "  "  2500 # "  "  13.5 # "

Stopped mixing. Total cement mixed 125 sax.
7-15-53 11:10 PM Stopped mixing and had 60 gal. Diesel fuel left of the 700 gal. started with.

11:15 PM Tubing pressure 2500# 3 bbls. displacement out.
11:18 " " 2500# 5 " " "
11:21 " " 2500# 6 " " "
11:25 " " 0# Pressure drop indicates something happened?
11:30 " " 1600# 6½ bbls. out. Started to feed stopped pump.
11:37 " " 400# Held at 400#.
11:39 " " 2100# Pressure break.
11:40 " " 600# 6½ bbls. out.
11:45 " " 1300#
11:46 " " 1500# Pressure break.
11:47 " " 600# 7 bbls. out.
11:50 " " 1200#
11:55 " " 1500#
12:00 M " " 1800#

7-16-53 12:02 AM 2000#
12:09 " " 2200#
12:11 " " 2300#
12:15 " " 2500# 7½ bbls. into formation. About 90 sax.
12:20 " " 2500# Backwashed cement out of tubing. Job complete.

7-18-53 12:30 AM Start bail hole.
1:30 PM Start drill retainer. Put in 30 gal oil to drill with.
2:15 " DM tool dropped. Lowered tools 6 feet didn't feel plug, came out hole. Reported that bailer was not run.

Indicates that water was coming from perforations 4080-4081.
Since diesel oil cement will "set up" in water only.
1:30 AM Back in hole with tools drillingbon IM tool
Still the bailer had not been run at this point.
2:00 " Tools sticking. Killed motor. Starter broke when attempt to start motor.
Waiting on parts for starter. Tools on bottom.
7:00 AM Motor started and jarring on stuck tools.
It is believed that IM tool was "cracked" enough to let "diesel cement" above plug and mixing with water it set up during the hours waiting on repair parts, thereby cementing the cable tool bit in the casing.
12:00 N Skill jarring on tools
11:00 PM Cut drilling line after jarring on tools with no results.

7-20-53 2:00 AM Going in hole with "socket" drill stem and "long stroke" jars.
Got hold of tools.
12:00 N Jarring on tools.
5:00 PM Jarring on tools. Getting rough. Full power of Cardwell spudder applied.
6:00 " Tools lose
6:45 " Out of hole with all of "fish". Diesel cement had covered bit and 3 inches above into lower part of short stroke jars.
7-21-53 10:00 AM  Run Halliburton line. Start drill retainer.
1:00 PM  Cement retainer drilled out. Hard cement drilled from 4081-4090
Note - that this "hard cement" is opposite and a few feet below the
squeeze perforations 4080-4081. Thereby proving the 5 bbls.
water per hour on swab test was coming from there and not the
Winter set zone.

Soft Diesel Oil Cement mixture was cleaned out from 4090-4099

2:00 PM  Hole dry at that point. After checking for any leaks from 4080-4081
6:00 PM  Soft Diesel Oil Cement mixture cleaned out to 4127
9:30 PM  Hole bailed clean. Testing for any leaks from perforations
Thereafter wash hole with water swabbing, bailing cleaning for perf.

7-22-53 8:30 AM  Start in hole with perforator gun. Lane Wells Type "E" gun.
9:07 AM  Perforate 25 holes 4106-4110. All ports on gun dry.
10:25 AM  "   1 pint fresh clean oil
11:25 AM  Start run tubing for acid treatment. Thereby protecting perf. at 4080-4081
2:30 PM  Tubing landed with Halliburton HM packer set at 4101. Start fill hole
4:00 PM  Dowell "Gamma Ray" tool stopped in packer. Bolt blocking base packer.
Start pull tubing.
6:45 PM  Cut hole with tubing. Chisel off bolt.
7:10 PM  Start back in hole with tubing.
8:50 PM  Tubing landed with packer set at 4102
9:00 PM  Dowell "Gamma Ray" natural log survey started
9:40 PM  Survey Complete. To acidize with 500 gal. 1443/17 Dowell RA determinative
11:48 PM  Tubing Pressure 300 # Casing Pressure 450 # First pressured up
        "  "  "  "  "  "  "  "  "  "  4 bbl. in formation
        Gradually increasing pressure on tubing from 400 # to 1200 # trying
        to find breaking pressure where acid will feed.

7-23-53 12:18 AM  Tubing Pressure 1150 # Casing Pressure 1200 # 4 bbl. acid in formation
9:18 AM  "  "  "  "  "  "  "  "  "  "  1125 #
9:48 AM  "  "  "  "  "  "  "  "  "  "  1075 # 62 # "  "  "  "  "
9:59 AM  "  "  "  "  "  "  "  "  "  "  975 # 875 # 11 # "  "  "  "  "
10:00 AM  "  "  "  "  "  "  "  "  "  "  915 # "  "  "  "  "  "  "  "
10:04 AM  "  "  "  "  "  "  "  "  "  "  730 # "  "  "  "  "  "  "  "
10:06 AM  "  "  "  "  "  "  "  "  "  "  635 # 5 "  "  "  "  "  "  "

Pumping overflush. Radio-Active Channel Determination Survey complete.
Summary - R.A. High 4097-401 maybe trapped RA material around packer.?
R.A. Low 405-411 through perforated zone.

12:00 PM  Start out hole with tubing.
4:00 PM  Cut hole with tubing.
5:00 PM  Start swab. Fluid 250 feet from top of hole.
7:15 PM  Hole swabbed to bottom. Start hourly test.

7-24-53 3:00 AM  Swab test for 8 hrs. Total 2 bbls oil plus 3½ bbls water.
11:30 AM  Bailing test 8 hrs. "  1½ " "  1½ " "
Total fluid 16 "  3½ "  "  3 "  "
Note - Hole still owes 6½ bbls. water from acidization job.
Water decreased from 13 gal to 3 gal per hour during this test.
Oil averaged 7 galls. per hour through the test.
However during the last 5 hours was making 3 gal per hr. regularly.
7-24-53  4:15 PM  Start tubing in hole. For "Strato-frac" treatment by Dowell.
    7:08  "  Tubing in hole
    7:30  "  Run Halliburton line checking tubing tally. Measurements okay.

7-25-53  5:00 AM  Connecting up well. (2000 gal. Dowell JX & 2000 # Ottawa sand for "frac")
    5:30  "  Start fill hole with oil.
    6:05  "  Set packer (Baker retrievable) at 4094.5 ft. aluminum tail pipe used.
    Pressure as follows:
        Casing 900 #  Tubing 900 #
    6:10 AM  "  950  "  1500  "  Input test with one truck.
    6:18  "  1050  "  2100  "  "  "  "  two "
    6:25  "  "  1500  "  "  "  "  one "
    7:12  "  750  "  500  "  Start Jell. Mix 1/2 sand per gal.
    7:18  "  1300  "  2200  "  Jell on bottom
    7:22  "  1200  "  1900  "  8 bbl. in formation
    7:27  "  1250  "  "  "  22  "  "
    7:30  "  1500  "  "  "  32  "  "
    7:34  "  1400  "  2100  "  48  "  "
    8:19  "  1200  "  1850  "  Flush 126 bbls. Total oil used 217.58 bbls.
    8:20  "  1150  "  950  "  1 min. pressure drop
    8:25  "  "  750  "  5  "  "
    9:40  "  1050  "  550  "  Pressure drop.
10:15  "  1040  "  635  "  Change gauge. 900 # old equals 625 # new.
12:00 N  "  975  "  550  "  Pressure drop

1:00 PM  Start out of hole with tubing.
3:40  "  Out of hole with tubing and packer.
4:40  "  Start swab with oil 175 ft. from top of hole.
6:45  "  Hole swabbed within 100 ft. of bottom. Start bail out 12 ft. of sand.
Swabbed back 126.6 bbls. Total oil 140.08 bbls. Total oil shy 76.77 bbls.

7-26-53  5:00 AM  42 gal water. 12 gal oil. Bailing test. Measured in 55 gal. drum.
    6:00  "  33  "  10  "  "  "  "  "  "  "
    7:00  "  33  "  10  "  "  "  "  "  "  "
    8:00  "  33  "  10  "  "  "  "  "  "  "
    9:00  "  31  "  10  "  "  "  "  "  "  "
10:00  "  Bailing 2 gal. of sand.
11:00  "  33 gal water 10 gal oil. Bailing test. Measured in 55 gal. drum
12:00 N  35  "  10  "  "  "  "  "  "  "
1:00 PM  28  "  11  "  "  "  "  "  "  "
2:00  "  13  "  8  "  "  "  "  "  "  "
3:00  "  14  "  8  "  "  "  "  "  "  "
4:00  "  24  "  9  "  "  "  "  "  "  "

Total in 11 hrs test. 267 bbls. oil plus 7.44 bbls. water.
Hole still owes water from the "frac" treatment.

It is believed that the "Strato-frac" treatment did not definitely "frac" the oil pay zone of the Winterset.
It appears that the treatment penetrated the shale-lime contact at the top of the Winterset.
Pressures should have been greater if the "Jell-Sand Frac" had gone directly into the lime formation.
# 3 Halse Wessel
Cable Tool Test Report
Continued.

7-26-53  7:27 PM  Set Lane Wells Plug 4046-4050. Fill back with broken cement rock to 4044
8:16 "  Start in hole with perforator gun. Lane Wells Type "E"
8:42 "  Perforate 25 holes 4022-4026 Wyandotte zone.
Top foot of gun dry. All other "ports" on gun are "oily"
9:02 PM  Fill up 5 gal muddy oil in 11 min. No water.
9:45 "  Start acid. Dowell XM58WL7 500 gal. Treatment down the casing.
9:50 "  Fill hole with oil.
10:00 "  Start flush.
10:05 "  Casing Pressure 500 #
10:15 "  450 " Acid feeding. Very slow drop
10:50 "  325 " 1½ bbls. acid in formation. Slow pressure drop
11:23 "  375 " 3 "
12:00 M  400 " 6 "  Rise from 275 #
12:30 AM  375 " 10 "  Slow pressure drop.
1:00 "  400 " 11½ "  Rise  #
1:10 "  400 " 12 "  #
1:11 "  350 " 1 min. pressure drop. Total oil used 104 bbls.
1:15 "  330 " 5 "
2:10 "  Start swab. Fluid at top of hole.
4:10 "  Swab 87 bbls. oil back in test tank.
5:10 "  Pump oil to tank battery.
6:00 "  Swab 22 bbls oil to test tank. Swabbed to bottom.
7:00 "  Swab 1 bbl. oil plus 2 bbls. water. Total oil back 110 bbls.
8:00 "  Swab 5 bbls. water. No oil
9:00 "  2½ "  "
10:00 "  Swab into pit. All water. Small amount oil. Continue hourly swabbing.
Averages 4 bbls. water per hour.
2:30 PM  Start Dowell "Gamma Ray" channel determination survey.
9:00 "  Survey complete.
Summary- All radio-active material was displaced into the formation
from 4023-4029 with no "channeling" present up or down.

7-28-53  12:00 N  Swab test continued while waiting on orders.
Test on the well suspended for the present.
## BIT RECORD

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<th>FOOTAGE</th>
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<td>OSC</td>
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<td>7 7/8</td>
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<td>OSQ</td>
<td>4120-4150</td>
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</table>

WESTPAN HYDROCARBON CO.

# 3 Elsie Wessel
NE SW NW 27-6-29 W
Sheridan County Kansas.

CONTRACTOR: Tom Allen, Wichita Kansas.

TOOL PUSHER: Orval Goodwin Supt., Great Bend Kansas.

DRILLERS: Bob Thornbury-Clarence Sander-Bob Frisbie

START DRILL: June 24, 1953

COMP. DRILL: July 6, 1953

SURFACE PIPE: 8 5/8" set at 266 / 160 sex. 3:40 PM 6/24/53
Start drill under surface pipe 7/24/53

CENTRALIZERS: 4003-4046-4081-4115-4141

Casing: 5/8" 14# 355 set at 4150 ft.
160 sex. Common cement (bulk)
40 # Floecele with 1/6 mix. Plug down 11:10 AM 7/6/53

LOST CIRCULATION: 1.5 ft. While drilling rat hole. 2295 & 2315.

ZERO POINT: For rotary bushing datum. 7.60 ft. above Braden Head.

TYPE RIG:........... Cardwell XL 143
TYPE POWER:........... Waukesha
TYPE PUMP:........... Gardner Denver
SIZE PUMP:........... 6 1/2 x 12 56 S.P.M.
TYPE FUEL:........... Butane
WATER SUPPLY:...... Water well 128 ft. 30 BPH
TYPE MAST:.......... Lee C Moore 87 ft.
TYPE ROTARY TABLE: Oilwell 17 1/2"
TYPE POWER:........... Cadillac Motor 165 HP
WEIGHT INDICATOR: Martin Decker
SIZE DRILL PIPE:... 4 1/2" Full hole.
Westpan Hydrocarbon Co.
328 E. Wessel
NE SW NW 27-6-29 W.
Sheridan County, Kansas

**DRILL TIME RECORD**

*(All Figures Rotary Bushing Datum)*

<table>
<thead>
<tr>
<th>DEPTH</th>
<th>Viscosity</th>
<th>Wgt.</th>
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<tbody>
<tr>
<td>3600-3610</td>
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<tr>
<td>3610-3620</td>
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<td>7-6-7-9-7-8-7-7-7-5</td>
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<td>5-6-7-5-7-5-4-7-6-6</td>
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<td>3660-3670</td>
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- **Viscosity 37.** Wgt. 9.4/l
- **Visc. 38.** W.L. 16cc. Cake 2/32
- **Visc. 37.** Wgt. 9.8/l
- **Tight hole 3677.** Visc. 38. Wgt. 9.8/l
- **W.L. 18cc. Visc. 39.** Wgt. 9.8/l. Cake 2/32
- **Trip 3820.** New bit 084. Mix MyloJel mud.
- **Visc. 47.** Wgt. 9.8/l. W.L. 10cc. Cake 1/32
- **Visc. 45.** Wgt. 9.8/l
- **SR 3918.**
- **Visc. 51.** Wgt. 9.9/l. W.L. 14cc. Cake 2/32
- **Slight odor in 3945 sample**
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<th>MINUTES PER FOOT</th>
<th>REMARKS</th>
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<td>Visc. 44. W.L.14 cc. Cake 2/32. Mix mud</td>
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<td>4150</td>
<td>TOTAL DEPTH 7-6-53</td>
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# Halliburton Hydrospring Tester
## Plainville, Kansas

## Summary

### Drill Stem Tests

<table>
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<tr>
<th>Test No.</th>
<th>Formation</th>
<th>Depth</th>
<th>Time</th>
<th>Open Performance</th>
<th>Pressure</th>
<th>Recovery</th>
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<tr>
<td>1</td>
<td>Lansing Kansas City</td>
<td>4008-4035</td>
<td>1 hr. 15 Min.</td>
<td>Light blow 3 min. Dead</td>
<td>0#</td>
<td>0#</td>
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<tr>
<td>2</td>
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<td>4089-4120</td>
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<td>Packer did not hold.</td>
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<td>3</td>
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<td>4084-4120</td>
<td>1 hr. 15 Min.</td>
<td>Weak blow for 7 minutes. Dead</td>
<td>0#</td>
<td>0#</td>
</tr>
</tbody>
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Westpan Hydrocarbon Co.

#3 Elsa Wessel

NE SW NW 27-6-29W

Sheridan County, Kansas
WELL PLUGGING AUTHORITY

September 14, 1959

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