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  Driller-Producers Pipe & Supply Co., Inc.  15-179-05230-00-00
(Applicant)  
Address       Box 368, Great Bend, Kansas

Lease (Farm Name)  L. H. Wessel  Well No. 3

Well Location  NE SW SW  Sec.  22  Twp.  6  Rge.  29 (E) (W)

County  Sheridan  Field Name (If any) 

Total Depth  4143  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 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.

RECEIVED
STATE CORPORATION COMMISSION
SEP 11, 1959  9-11-59

PLUGGING
CONSERVATION DIVISION
File Sec.  22  Twp.  6  Rge.  29
Book Page 2  Line 57

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

Date:  September 10, 1959
WESTPAN HYDROCARBON COMPANY

# 3 L. H. Wessel
NE SW SW 22-6-29W

SHERIDAN COUNTY, KANSAS

PLUGGING
File Sec. 32 T 6 R 29W
Book Page 2 Line 37
Westpan Hydrocarbon Company  
418 Folk Street  
Amarillo, Texas  

Gentlemen:

This report with detail information is on your:

# 3 L. H. Wessel  
NE SW SW 22-6-29N  
Sheridan County Kansas.

Was present on this well through the rotary drilling from 3500 to 4440 total depth.  
Examined all drill cuttings through these depths.

The following compilation is the interpretation of combined sample analysis, drill time and electric logs.

(All Figures Rotary Bushing)

Elevation 2820

In Wabaunsee Group (Tarkio) .......... 3610-3613  
Howard Lime - No oil stains .......... 3690-3707  
Top Topeka Lime ...................... 3717  
  Good porosity, Dark oil stains ...... 3834-3844  
  Good porosity,Oil Stain in part .... 3863-3871  
Heebner shale  ....................... 3906-3910  
Top Toronto Lime ..................... 3932  
  Slight porosity, Dark oil stains ... 3935-3938  
Base Toronto Lime .................... 3939  
Top Lansing Group .................. 3944  
  Fair porosity, Dark oil stains ....... 3947-3949  
  " " " " " 3950-3962  
  Good porosity, Oil stains .......... 3975-3978  
  Fair porosity, Dark oil stains ...... 3987-3989  
  Good " Slight oil stain .......... 3996-3997  

Dolomitic porosity. Dark oil stains.  
Good por. Dolomitic in part.  
Datum -897. 5' lower #2 L.H.Wessel  
Pinpoint and dolomitic  
Pinpoint semi-oolicastic dolomitic.  
Black carbonaceous shale.  
Datum -1112. 1' lower #2 L.H.Wessel.  
Small vulgar,dolomitic spots.  
Datum -1124. 1' lower #2 L.H.Wessel.  
White inter-xline.  
Dolomitic spots.  
Dolomitic, pinpoint (Plattensburg.)  
Dolomitic spots (Plattensburg.)  
Semi-oolicastic ( " )
Top Wyandotte Lime................. 40TH
  fair porosity. Dark oil stains ...... 4015-4021
  Few "grease spots".
(1) Drill Stem Test.................. 3998-4020
  Extremely light blow for ten minutes and quit.
  Recovery 90 feet mud. Good show oil in top.
  Flow Pressure 0/ B.H.P. 205# Hydrostatic 1672#

Base Wyandotte Lime................ 4024
The Wyandotte produces in two wells in the pool.
There is a fair "lime" development in this well and this zone should be tested
before it's final abandonment. The lime is not so shaly here as in most cases.

Top Winterset Lime.................. 4099
  Fair porosity. Light oil stains ...... 4100-4103
  Very slight porosity.  " " ...... 4107-4110
  Dolomite inter-x-line.
  Dolomite spots.
(2) Drill Stem Test.................. 4074-4110
  Losing mud very slowly - leaking by packer.
  Recovery 510 feet drilling mud. Test failed.
  Packers did not hold. Used dual packers.

(3) Drill Stem Test.................. 4070-4110
  Losing mud very slowly - leaking by packer.
  Recovery 1100 feet drilling mud. Test failed.
  Packers did not hold. Used dual packers.
  Drill ahead with rotary tools.

Base Winterset Lime.................. 4111

Rotary total depth.................. 4110
Rotary total depth.................. 4135

S.I.M. Drill pipe when laid down..... 4113.05

53/4" casing 11#/ cement w/160 slx..... 4114.11

Respectfully submitted,

Richard Foley

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

J.L. Haines
Great Bend, Kansas
## BIT RECORD

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<th>RUN NO.</th>
<th>SIZE BIT</th>
<th>MAKE BIT</th>
<th>TYPE CONE</th>
<th>SERIAL NO.</th>
<th>DEPTH</th>
<th>FOOTAGE</th>
<th>HRS. RUN</th>
<th>PTS. NOT.</th>
<th>PUMP PRESS.</th>
<th>RPM</th>
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Westpan Hydrocarbon Co.

# 3 L. H. Wessel
NE SW SW 22-6-29W
Sheridan County, Kansas

CONTRACTOR: Bill Hay Drilling Co.
371 West 3rd Street, Tel. 8h3
Hodgenville, Kansas

TOOL PUSHER: B. L. Browning

DRILLERS: Chet Lacy - E. O. Halcomb - S. T. Holcomb

START DRILL: Sept. 21, 1953
COMP. DRILL: Oct. 2, 1953

SURFACE PIPE: 8 5/8 at 256.29 w/160 sax 9-21-53, 7:15 P.M.
CENTRALIZERS: 3970-4000-4037-4108-4132
CASING: 54" 12#/set at 412.42 cement 160 sax.
FLOAT COLLAR: 4108.06 Bottom joint over all 34.35'.
CASING COLLARS: 4076.98-4105.25-4013.93-3982.23-3950.27-3922.91-3891.23

Zero Point - 5.33 above Braden Head for rotary bushing datum.

TYPE RIG: Wilson Giant (Road Air)
TYPE POWER: General Motors (2)
"Train 671" 250HP each

TYPE PUMP: Bethlehem C.E. 1

TYPE FUEL: Kerosene & Diesel

WATER SUPPLY: Water Well 128', 30 RPM

TYPE MAST: Lee C. Moore 87' (slim hole)

TYPE ROTARY TABLE: Bethlehem Cumbo Bunter

WEIGHT INDICATOR: Martin Decker "Clipper"

SIZE DRILL PIPE: 4 5/8" full hole
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<th>Depth</th>
<th>Minutes per Foot</th>
<th>Remarks</th>
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<td>3510-3520</td>
<td>4-5-4-4-3-4-4-3-3-3</td>
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<td>3-4-3-4-3-4-8-6-11-7-6-5</td>
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Total Depth 4140
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<th>PRESSURE</th>
<th>RECOVERY</th>
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<td>I.FLOW</td>
<td>F.FLOW</td>
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<td>1</td>
<td>Wyandotte Lime</td>
<td>3998-4020</td>
<td>1 Hr.</td>
<td>15 min</td>
<td>Extremely light blow 10 min. &amp; quit</td>
<td>0#</td>
<td>0#</td>
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<tr>
<td>2</td>
<td>Winterset Lime</td>
<td>4074-4110</td>
<td>30 min</td>
<td>None</td>
<td>Losing mud very slowly leaking by packer</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>3</td>
<td>Winterset Lime</td>
<td>4070-4110</td>
<td>20 min</td>
<td>None</td>
<td>Losing mud very slowly leaking by packer</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

WESTPAN HYDROCARBON CO.

# 3 L. H. Wessel
NE SW SW 22-6-29W

Sheridan County, Kansas
Westpan Hydrocarbon Co.
3 L. H. Wessel
NE SW SW 22-6-29W
Sheridan County, Kansas
Elevation 2820 R.B.

NOTE - "Zero Point" for rotary bushing datum, 5.33 ft. above "Braden Head"

CASING: 5 1/2in. 14# set at 142.01

FLOAT COLLAR: ........... 1108.06

Bottom joint overall 31 3/5 ft.

CASING COLLARS: ........... 4076.98 - 4015.25 - 4013.93 - 3982.23 - 3950.27 - 3922.91

10-6-53 9:00 AM Moving cable tool unit on location

1:15 PM Start bailing hole.

10-7-53 3:30 AM Hole bailed dry. Start drill cement.

7:15 AM Cement drilled out to 1136.

11:25 AM Lane Wells Radioactive Electric log survey complete.

12:29 PM Perforate 16 (Kones) 1120-1121, Lane Wells Four-Way Squeeze Gun.

Very slight trace oil stain on the gun.

12:41 PM Run bailer. 1 1/2 gal. water with slight trace oil stain.

Only small trace cement in bailer sample. Mainly red shale.

Note: This slight "oil stain" indicates "communication" already present behind the casing. This is below Winterset oil pay.

1:14 PM Perforate 16 (Kones) 4086-4087 Lane Wells Four-Way Squeeze Gun.

Trace red mud on the gun.

1:30 PM Run bailer. 7 gal. muddy water. 75% red shale in sample.

Note: This red shale in bailer indicates "communication" already present behind casing. This is above Winterset oil pay.

2:07 PM Start tubing in hole. Prepare for "block" cement squeeze.

4:30 PM Tubing landed with "Baker" packer 45A Model RT 82 (Retrievable)


5:45 PM Load hole with water.

CEMENT SQUEEZE

(1120-1121 Perforations)

5:50 PM Breaking pressure 2500#. Input rate 2 bbl. per min. at 2300#.

6:00 PM Tubing 2300# Casing 500# Start mix cement.

6:05 PM " 1000# " 25 sax mixed.

6:10 PM " " 600# 100 sax mixed.

6:15 PM " " 150 sax mixed.

6:20 PM " 1100# " 650# 200 sax mixed.

6:24 PM " 1200# " 250 sax mixed.

Displacement 15.75 bbls. water.

6:25 PM Tubing 1300# Casing 650# 2 1/2 bbls. cement in perfs.

6:26 PM " " 700# 6 # # # # # 3rd. Gear.

6:27 PM " 1000# " 7 # # # # # # 2nd. Gear.

6:30 PM " 800# " 10 # # # # # # S.D. 1 min.

6:31 PM " 500# " 11 # # # # # # S.D. 2 min.

6:37 PM " 700# " 12 # # # # # # S.D. 3 min.

6:42 PM " " 12½ # # # # # #
10-7-53 6:48 PM Tubing 3000#/ Casing 900#/ 13½ bbls. cement in perfs.
  6:50 " Released pressure, "Flow back"
  7:05 " Tubing 3000#/ Casing 900#
  7:06 " Released pressure, "Flow back"
  7:50 " Tubing 4000#/ Casing 1200#
  7:55 " Start "back wash" cement out of tubing.
  8:05 " Back wash thru tubing, 5 sax.

   Squeeze in perforations 245 sax. Job complete (perfs. 4120-4121)

CEMENT SQUEEZE
(4086-4087 Perforations)

10-7-53 8:10 PM Raise Baker packer to 4062, Tail pipe at 4064 (took out 1 joint-
   and 8' sub)
  8:15 " Breaking pressure 3000#/ Input rate 2½ bbl. per min. at 2000#/n
  8:25 " Tubing 2000#/ Casing 1000#/ Start mix cement.
  8:30 " 1300#/ 900#/ 35 sax mixed.
  8:35 " 1200#/ 900#/ 100 sax mixed.
  8:40 " 1000#/ 900#/ 150 sax mixed.
  8:45 " 800#/ 900#/ 200 sax mixed.
  8:48 " 600#/ 900#/ 250 sax mixed.

   Displacement 15.75 bbls. water.
  8:50 " Tubing .500#/ Casing 1000#/ 05 bbls. cement in perforations.
  8:55 " 500#/ 900#/ 08 sax
  8:57 " 400#/ 900#/ 83/sax
  8:59 " 300#/ 900#/ 9 3/4 sax
  9:00 " 200#/ 900#/ 10 bbls.
  9:10 " 100#/ 900#/ 1500" sax
  9:15 " 50#/ 900#/ 25 sax.

  9:17 " Start "back wash" cement out of tubing.
  9:30 " Back wash thru tubing 25 sax.

   Squeeze in perforations 225 sax. Job complete (perfs. 4086-4087)
  9:45 " Start out hole with tubing.

10-9-53 12:00 PM Start bail hole. (Following work under supervision of J.L. Haines)
10-10-53 1:10 PM Hole bailed. Top cement in casing at 4063.
  5:30 " Cement drilled out to 4099. Bailers tests for any leaks.
  6:00 " Hole is dry. Squeeze perfs. 4066-4087 okay.
  10:45 " Cement drilled out to 4111. Bailers tests for leaks.
10-11-53 6:30 AM Hole is dry. Squeeze perfs. 4120-4121 left covered with cement in pipe.
   Halliburton S.L.M. is 4111.
  9:58 " Perforate 12 holes 4,101-4,103 (Winterset) Lane Wells Type "E" Gun.
 10:22 " Bailers test 2 gal. fluid with trace oil.
  10:45 " Start tubing in hole Prepare for acid job.

ACIDIZE
(1000 Gal.)

10-11-53 1:10 PM Start fill hole with oil. Acid Engineers Inc. J.L. Strunk Treater.
10-11-53  2:12 PM  Hole full. (95 bbls. oil to fill hole)
2:15  "  Casing 500#  Tubing 500#  Start acid in tubing.
2:35  "  "  300"  "  0"  640 gal. in tubing.
2:36  "  "  "  "  "  Start pumping slow.
2:38  "  "  "  "  "  1100"  Let set.
3:10  "  "  "  "  "  900"  Resume pumping.
3:12  "  "  "  "  "  1100"  Let set.
3:16  "  "  "  "  "  900"  Resume pumping.
3:18  "  "  "  "  "  1150"  Let set.
3:40  "  "  "  "  "  950"  Resume pumping.
3:41  "  "  "  "  "  1100"  Holding pressure.
4:09  "  "  "  "  "  1200"  Running slow. "breaking".
4:11  "  "  "  "  "  800"  675 gal. in tubing.
4:18  "  "  "  "  "  325"  Speed up pump.
4:35  "  "  "  "  "  "  1000 gal. in tubing. Start flush.
4:50  "  "  "  "  "  "  200"  6 bbl. oil "flush" in tubing.
5:00  "  "  "  "  "  125"  1050"  9 Troll. 16 "  "  "  "  "  Complete.
5:18  "  "  "  "  "  1200"  150"  1000..  "  "  "  "  "  Pressure drop.
5:19  "  "  "  "  "  "  1150"  "  "  "  "  "  Complete.
5:25  "  "  "  "  "  150"  "  "  "  "  "  Complete.
5:28  "  "  "  "  "  "  900"  "  "  "  "  "  Complete.
5:36  "  "  "  "  "  175"  570..  "  "  "  "  "  Complete.
5:48  "  "  "  "  "  200"  275..  "  "  "  "  "  Complete.
6:05  "  "  "  "  "  220"  50.  "  "  "  "  "  Complete.
6:20  "  Start tubing out of hole.
11:45  "  Start swab hole. Fluid 650 feet from top.

**SWAB TEST**

10-12-53  2:30 AM  Hole swabbed to bottom.
3:30  "  4.66 bbls.
4:30  "  3.48 "  All load oil back with this pull.
5:30  "  2.90 "
6:30  "  1.74 "
7:30  "  2.32 "
8:30  "  2.32 "
9:30  "  1.74 "
10:30  "  1.16 "  Check swab rubbers and change.
11:30  "  1.45 "
12:30 PM  1.15 "
1:30  "  1.16 "
2:30  "  1.16 "
3:30  "  1.16 "
4:30  "  1.74 "
6:30  "  1.45 "
7:30  "  .97 "
8:30  "  1.16 "
9:30  "  1.16 "
10:30  "  .97 "
11:30  "  .29 "
20.30 bbls. oil 1st. 12 hrs. after load oil back.
Check swab.
Swab Test

10-13-53 12:30 AM .58 bbls.
1:30  "  .87  "
2:30  "  .87  "
3:30  "  .58  "
4:30  "  .58  "
5:30  "  .87  "
6:30  "  .58  "
7:30  "  .58  "
8:30  "  .87  "
9:30  "  .58  "
10:30 "  .58  "
11:30 "  .87  "
12:30 PM .87  "

10.15 bbls. 2nd 12 hrs.

4:30  "  .93 bbls. next 7 hrs. Total 35.38 bbls. in 31 hrs. after load back.

3:00 PM Start "natural" Gamma ray log. Hole taking fluid during survey.
7:15  "  Dowell Radioactive Channel determinative survey complete. This survey shows all acid cut in perforations h101-h102. Fluid 2,60 feet from top at end of survey.
10:00  "  Perforate 7 (jets) h103-h105 Dowell G0 2
          Prepare for "frac" job.

10-14-53 7:15 AM  Start tubing in hole.
10:10  "  Tubing landed Baker Packer RTG (retrievable) set at 409 lb.

FRACTURE TREATMENT (DOWELL)

12:50 PM Start fill hole. Service Engineer R.W. Roberson
1:10  "  Hole full.
1:12  "  Casing 950#  Tubing 950#  Set Baker retainer.
1:15  "  "  "  1700#  Start mix sand in Jell X 500
1:28  "  "  "  1550#  Start Jell X 500
1:37  "  "  "  600#  "  Start flush
1:49  "  "  "  650#  "  Start with 28 bbls. oil.
2:10  "  "  "  650#  "  Start 300 gal. fix-a-frac
2:20  "  "  "  700#  "  Start flush fix-a-frac
2:23  "  "  "  400#  "  2000#  Fix-a-frac on bottom
2:25  "  "  "  200#  "  2300#  "
2:26  "  "  "  250#  "
2:27  "  "  "  2600#  "  All fix-a-frac in formation
2:29  "  "  "  2300#  "
2:31  "  "  "  1700#  "
2:34  "  "  "  1900#  "  Jell X on bottom
2:38  "  "  "  1650#  "
2:40  "  "  "  1650#  "  Start flush.
2:45  "  "  "  600#  "  Flushing
2:55  "  "  "  500#  "  Finished with 46 bbl. oil
3:25  "  "  "  500#  "  Pressure drop
3:40  "  "  "  235#  "
3:45  "  "  "  55#  "

Fracture Treatment (Dowell)

10-14-53   4:00 PM  Casing 500'. Tubing 0'. Pressure drop.
            4:30   Release packer set on bottom. No indication of sand "fill up".
            7:15   Start out of hole with tubing.
            7:45   Tubing out of hole.
C          Start swab. Fluid 850' from top of hole.

SWAB TEST
(After "frac")

10:30   92.76 bbls. Hole swabbed down. (Total 291.44 bbls. oil used in frac.)
11:30   10.44

10-15-53  12:30 AM  6.96  
            1:30   6.38  
            2:30   5.80  
            3:30   5.22  
            4:30   5.22  
            5:30   4.64  
            6:30   5.22  
            7:30   4.64  
            8:30   4.64  
            9:30   4.06  
          10:30   4.06  
            11:30  4.06  
           12:30 PM  4.06  
            1:30   4.06  
            2:30   3.48  
            3:30   3.48  
            4:30   3.48  
            5:30   3.48  
            6:30   3.48  
            7:30   3.48  
            8:30   3.48  
            9:30   3.48  
          10:30   3.48  
            11:30  2.90  

Total 175.70 bbls. oil back.

10-16-53  12:30 AM  2.90  
            2:30   2.90  
            3:30   2.90  
            4:30   2.90  
            5:30   2.32  
            6:30   2.90  
            7:30   2.90  
            8:30   3.48  
            9:30   2.90  
          10:30   2.32  
            11:30  2.32  

Check swab.

Total now 238.34 bbls. oil back. Swab 36 hrs. after swabbed to bottom.
Swab Test

10-16-53 12:00 N Run bailer. Found 1 gal. water & 2 gal. sand.
1:15 Pm Start run tubing to put well on production.
4:00 a Tubing landed. 130 ft. 13' anchor. 3' perforated nipple
1' seat. 4' tubing sub.
6:45 a Rods arrive on location.
9:00 a Pump & rods in well. Pump clamped 1' off bottom.

CONTRACTOR: Wood & Hay Drilling 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 3½
TYPE POWER: Waukesha G-K 145 HP
TYPE MAST: Cardwell 70'
TYPE FUEL: Butane-Propane
WATER SUPPLY: Water Well 128'-30GPH
WELL PLUGGING AUTHORITY

September 11, 1959

Well No. 3
Lease Wessell
Description NE SW 22-4-29W
County Sheridan
File No. 2-37

Drillers-Producers Pipe & Supply Co.
Box 369
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,

[Signature]
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, feel 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