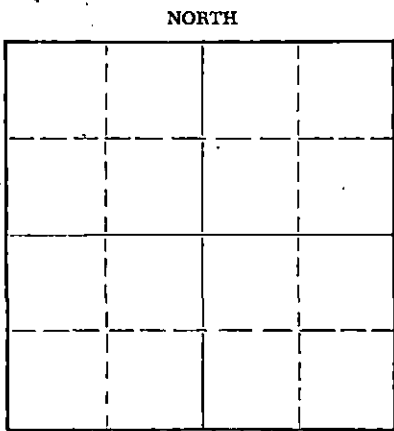


WELL PLUGGING RECORD

Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to:
Conservation Division
State Corporation Commission
800 Bitting Building
Wichita, Kansas

Stafford County. Sec. 4 Twp. 21S Rge. 12W (E) (W)
Location as "NE/CNW/SE/SW" or footage from lines SE NE NW
Lease Owner The Texas Company
Lease Name M. DeWerff Well No. 4
Office Address 614 Bitting Bldg. Wichita, Kansas
Character of Well (completed as Oil, Gas or Dry Hole) Dry Hole
Date well completed February 4, 19 53
Application for plugging filed July 11, 19 55
Application for plugging approved July 12, 19 55
Plugging commenced July 16, 19 55
Plugging completed July 17, 19 55
Reason for abandonment of well or producing formation Dry



Locate well correctly on above Section Plat

If a producing well is abandoned, date of last production _____ 19 _____
Was permission obtained from the Conservation Division or its agents before plugging was commenced? Yes

Name of Conservation Agent who supervised plugging of this well Mr. Warren H. Horner
Producing formation _____ Depth to top _____ Bottom _____ Total Depth of Well 3516 Feet
Show depth and thickness of all water, oil and gas formations. PBTD 3201

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE	PUT IN	PULLED OUT
				10-3/4"	629'	0'
				7"	3510'	2912'

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same and depth placed, from _____ feet to _____ feet for each plug set.

PLUGGED AS FOLLOWS:

3201 to 3160' Sand
3160 to 3140' 5 Sacks Cement
3140 to 300' Heavy Mud
300 to 280' Rock Bridge
280 to 230' 25 Sacks Cement
230 to 25' Heavy Mud
25' to bottom of cellar 10 sacks Cement

7-20-1955

STATE OF KANSAS
CORPORATION DIVISION
JUL 20 1955

Name of Plugging Contractor R & S Pipe Pulling Company
Address Box 192, Ellinwood, Kansas

STATE OF Kansas COUNTY OF Sedgwick, ss.
Herbert L. Murray (employee of owner) or (owner or operator) of the above-described

well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are true and correct. So help me God.

(Signature) Herbert L. Murray
614 Bitting Bldg., Wichita, Kansas
(Address)

SUBSCRIBED AND SWORN TO before me this 18th day of July, 19 55

H. Howard Kistler
Notary Public.

My commission expires Sept. 20, 1956

PLUGGING
FILE SEC 4 T21 R12W
BOOK PAGE 33 LINE 11

LOG OF WELL

M. DE WERFF NO. 4

SHEET 1

OWNER The Texas Company DIVISION Oklahoma DATE MADE February 16, 1953
 DISTRICT Kansas LEASE M. De Werff WELL NO. 4
 STATE Kansas COUNTY OR PARISH Stafford TWP. 21S RANGE 12N SEC. 4
 LOCATION OF WELL SE NE NW

COMMENCED RIGGING UP 11-18-52 COMMENCED DRILLING 11-18-52 COMPLETED DRILLING 2-4-53
 DAY DRILLER _____ NIGHT DRILLER _____ CONTRACTOR Noble Drilling Corp.
 CABLE FROM 3511' TO 3516' ROTARY FROM 0 TO 3511' COMPANY RIG NO. KB--1839
 TOTAL DEPTH 3516' MEASURED BY M. C. Harrell ELEVATION EE--1826
DTD 3201' GL--1833

CASING RECORD

SIZE	WEIGHT	PUT IN WELL		PULLED OUT		LOST IN WELL		SHOES		PACKERS		
		FEET	INS.	FEET	INS.	FEET	INS.	LENGTH	MAKE	KIND	LENGTH	SET AT
10-3/4"	32.75#	637'		(H-40, New Casing)								FT.
7"	23#	3515'		(J-55, Conversion Casing)								FT.
												FT.
												FT.
												FT.
												FT.
10-3/4"		casing set at 620' with 350 sacks Pozmix cement & 200' CG cement circulated.										FT.
7"		casing set at 3510' with 10 sacks cement, 2 1/2 gal & 15 sacks stratacrete.										FT.

WAS CASING CEMENTED? _____ IF SO, HOW MANY SACKS OF CEMENT USED? _____
 LINER: STATE SIZE AND WEIGHT _____ WHERE SET _____ FT. AND INS. BLANK _____ FT. AND INS. PERFORATED _____
 HOW PUT TOGETHER _____ COUPLING _____ FLUSH-JOINT _____ INSERTED _____
 REMARKS: Measurement from BH-KB 6.70', BH-GL 2'

EQUIPMENT RECORD

TUBING				SUCKER RODS			PUMPING OUTFIT
SIZE	WEIGHT	FEET	INS.	FEET	INS.	SIZE AND KIND	DESCRIPTION, KIND, SIZE, ETC.
Completed Testing 2-4-53							

FLOWING, PUMPING, GASSER OR DRY Dry PRODUCTION FIRST 24 HOURS _____ PRODUCTION SETTLED _____
 IF GAS WELL, OPEN FLOW CAPACITY _____ SHUT IN PRESSURE _____ ROCK PRESSURE _____
 KIND OF SHOT _____ SIZE OF SHOT, QUARTS _____
 NUMBER OF SHELLS _____ SIZE OF SHELLS _____ INCHES, DIAMETER _____
 LENGTH OF SHELLS _____ FEET _____ INCHES _____ TOP OF SHOT _____
 BOTTOM OF SHOT _____ ANCHOR _____ WELL BRIDGED TO _____
 TOTAL DEPTH OF WELL _____ NUMBER OF SHOT _____ PRODUCTION BEFORE SHOT _____ BBLG. PER DAY _____
 PRODUCTION AFTER SHOT _____ BBLG. PER DAY. SHOT FURNISHED BY _____
 NAME OF SHOOTER _____ SHOT INSPECTED _____ BY _____ (COMPANY EMPLOYEE)
 COMMENCED DRILLING DEEPER _____ COMPLETED _____ DRILLING DEEPER _____
 TOTAL DEPTH _____ PRODUCTION FIRST 24 HOURS _____ PRODUCTION SETTLED _____

REMARKS: **PLUGGING**
M. De Werff #4
Chase Silica Pool
T.D. 3516' - DTD 3201'
Completed Drilling 2-4-53
Completed Testing 2-4-53

NOTE: IF WELL WAS DRY, STATE UNDER REMARKS, WHEN, HOW, AND BY WHOM PLUGGED.
 STATE UNDER REMARKS ANYTHING OF INTEREST NOT COVERED IN LOG.
 IF THE SPACE PROVIDED FOR REMARKS IS NOT SUFFICIENT WRITE ON BOTTOM OF LAST SHEET OF LOG.

LOG OF WELL

SHEET NO. 2

District Kansas		Owner The Texas Company Farm W. De Werff			Well No. 4
FORMATION	AMOUNT	COLOR	HARD OR SOFT	DEPTH CORES TAKEN	REMARKS
Surface Sand	0	210			<u>CASING RECORD:</u> 10-3/4" casing set at 629' with 350 sacks Pozmix cement & 200# CG, cement circulated. 7" casing set at 3510' with 60 sacks cement, 2% gel & 15 sacks stratacrete. Top of Cement - 3002' Centralizers: 3504 3300 3410 3210 Scratchers: 25 Scratchers at 10' intervals from 3507-3340 & 3340-3210 <u>FLUVIATEURS:</u> KB-----1839 LP-----1836 GL-----1833 <u>TOPS:</u> Heebner-----3023 Brown Lime-----3152 Lansing-----3167 Base K. C.-----3396 Arbuckle-----3406
Shale	553	343			
Shale	615	62			
Anhydrite	630	15			
Blue Shale & Lime	1456	826			
Lime	1985	529			
Lime & Shale	2595	610			
Lime	2685	90			
Lime & Shale	3212	527			
Lime	3340	128			
Lime & Shale	3400	60			
Dolomite	3496	96			
Lime	3516	20			
Total Depth	3516				
PSTD	3201				
<u>REMARKS:</u>					
11-25-52	Ran DST #1 from 3204-12', open 1 hour, had gas to surface in 10 minutes, recovered 180' heavy gas cut mud and 120' heavy gas cut salt water and 230' salt water. SBHP 965# in 15 minutes.				
11-26-52	Ran DST #2 from 3227-43, open 1 hour, recovered 50' slightly oil and gas cut mud. SBHP 610# in 15 minutes.				
11-27-52	Ran DST #3 from 3286-3320, open 1 hour, recovered 2340' gas, 90' heavy oil and gas cut mud, 30' mud cut oil and 30' muddy salt water. SBHP 695# in 15 minutes.				
11-28-52	Ran DST #4 from 3327-40, open 1 hour, had gas to surface in 45 minutes, recovered 30' heavy oil and gas cut watery mud. SBHP 330# in 20 minutes.				
11-29-52	Took Core #1 from 3405-14', recovered 5'.				
11-30-52	Took Core #2 from 3414-42', recovered 28'.				
12-1-52	Took Core #3 from 3442-54', recovered 12'.				
12-2-52	Took Core #4 from 3454-63', recovered 9'. Took Core #5 from 3463-89', recovered 26'. Took Core #6 from 3489-96', recovered 7'.				

LOG OF WELL

SHEET No. 3

District	Owner	Well No.	FORMATION	AMOUNT	COLOR	HARD OR SOFT	DEPTH CORES TAKEN	REMARKS
Kansas	The Texas Company Farm N. De Werff	4						
			<u>REMARKS (Cont)</u>					
			12-3-52					Drilled to 3511' in Arbuckle. Ran Schlumberger survey.
			12-15-52					Moved in cable tools, drilled cement and cleaned out to bottom, no show. Drilled deeper from 3511-16, hole filled up 1230' with water in 2 hours. Swabbed 12 BWPH 200' off bottom for 2 hours. Set bridge plug at 3508' and perforated 3500-06 with 24 jet shots. Tested no fluid. Perforated 3472-80 with 28 jet shots, no show. Both zones bailed 9 GWPB.
			12-16-52					Plugged back from 3508-3493 with 3 sacks calseal. Acidized perforations 3472-80 with 500 gallons of 15% acid, maximum pressure 900#, broke to 625#, with 300# pressure drop in 5 minutes. Swabbed back load and tested 132 GW and 4 GO.
			12-17-52					Set Baker bridge plug at 3470'. Dried up hole and perforated 3462-67 with 24 shots, tested 110.80 GW and 5.04 GO. Dumped 2' calseal on top of plug, no change in fluid. Set Baker bridge plug at 3457' and plugged back to 3453' with 1 sack calseal.
			12-18-52					Swabbed hole dry and perforated 3442-46 with 16 jet shots, no fluid. Acidized with 500 gallons of 15% acid, maximum pressure 900#, minimum 500#. Swabbed back load and swabbed 5 BWPH, no oil, for 3 hours. Set Baker plug at 3439' and plugged back to 3436' with 1/2 sack calseal. Perforated 3425-31 with 24 jet shots, tested for 3 hours, last hour bailed 2.36 GO and 2.10 GW.
			12-19-52					Acidized with 500 gallons of 15% acid, maximum pressure 525#, no break. Swabbed 7 BWPH and 10 GOPH.
			12-20-52					Set Howco DM tool at 3405' and squeezed perforations 3425-31 with 132 sacks cement, maximum pressure 3000#, backwashed 13 sacks.
			12-23-52					Drilled out cement to 3425'. Perforated 3414-21 with 28 jet shots, tested 5 GWPB, slight show of oil. Acidized with 500 gallons of 15% acid, maximum pressure 1025#, minimum 975#.
			12-24-52					Swabbed back load and bailed 30 GO and 17 GWPB for 5 hours.
			12-27-52					After being shut down over holiday well filled up 700' with fluid in 24 hours. Swabbed out 12 BO and 12 BW. Plugged back from 3425-22 with 6 gallons of plastic.
			12-28-52					Swabbed 25 GO and 20 GWPB for 14 hours.
			12-29-52					Ran tubing with Baker packer set at 3394'. Acidized perforations 3414-21 with 500 gallons of Jel X-500, maximum pressure 2100#, broke to 1600#, with 550# pressure drop in 5 minutes.
			12-30-52					Swabbed back load and tested 1/2 BO and 3 BWPH for 4 hours from perforations 3414-21. Set Baker plug at 3412' and plugged back to 3410' with 1/2 sack calseal. Perforated 3406-09 with 12 jet shots, tested 33 GO and 63 GWPB for 1 hour. Acidized with 500 gallons of 15% acid, maximum pressure 300#, no break, to vacuum in 5 minutes.

LOG OF WELL

SHEET No. 4

District Kansas

Owner The Texas Company Farm M. De Werff

Well No. 4

FORMATION	AMOUNT	COLOR	HARD OR SOFT	DEPTH CORES TAKEN	REMARKS
<u>REMARKS (Cont)</u>					
12-31-52					Swabbed back load and tested 29 GO and 135 GWPB for 3 hours from perforations 3406-09. Set Bridge plug at 3357' and plugged back to 3350' with 1 sack calseal. Perforated 3328-36 with 32 cone shots, tested 1.68 GWPB with scum of oil. Acidized with 250 gallons of XF-32 acid and 1500 gallons of Jel X-100, maximum pressure 1150#, no break, with 250# pressure drop in 5 minutes.
1-1-53					Swabbed back load plus 62 BO while swabbing to bottom. Swabbed 116 BO and 28 BW in 14 hours.
1-2-53					Set bridge plug at 3322' and plugged back to 3318' with 1 sack calseal. Perforated 3293-3301 with 32 cone shots, tested 13 GWPB with show of oil for 4 hours. Acidized with 250 gallons of XF-32 acid and 1000 gallons of Jel X-100, flushed with 31 barrels of flush, went on vacuum.
1-3-53					Swabbed 29 BO and 117 BW in 19 hours.
1-4-53					Set Howco DM tool at 3280' and squeezed perforations 3293-3301 with 126 sacks cement, maximum pressure 3500#, backwashed 59 sacks.
1-5-53					Perforated 3258-62 and 3265-71 with 40 jet shots, tested no fluid. Acidized with 250 gallons of 15% acid and 1000 gallons of Jel X-100, maximum pressure 1100#, minimum 775#. Swabbed back load, then swabbed 2-1/2 BWPB, no oil.
1-6-53					Set DM tool at 3233' and squeezed perforations 3258-62 with 225 sacks cement, maximum pressure 3000#, backwashed 25 sacks.
1-10-53					Drilled cement and bridge plug and cleaned out to 3354'.
1-11-53					Swabbed hole dry and perforated 3324-36 with 48 cone shots, tested 1 GWPB. Acidized with 250 gallons of XF-32 acid and 500 gallons of Jel X-500, maximum pressure 300#, minimum 150#.
1-12-53					Swabbed back load and tested 5 GO and 20 GWPB for 14 hours.
1-13-53					Ran tubing with LW packer at 3315'. Acidized perforations 3324-36 with 250 gallons of XF-32 acid and 2000 gallons of Jel X-100, on vacuum.
1-15-53					Swabbed back load and tested 7 GO and 42 GWPB for 7 hours.
1-16-53					Set Baker plug at 3250' and plugged back to 3248' with calseal. Perforated 3230-40 with 40 jet shots, tested 5 GWPB, slight show of oil. Acidized with 250 gallons of 15% acid and 1000 gallons of Jel X-100, maximum pressure 700#, minimum 500#. Swabbed back load and swabbed 2-1/2 BO and 27 BWPB for 3 hours 1500' off bottom.
1-17-53					Tested 4-3/4 BO and 32 BWPB with estimated 3/4 MCF gas per day.
1-18-53					Ran tubing with Howco DM tool at 3205' and squeezed perforations 3230-40 with 110 sacks cement, maximum pressure 3800#.
1-21-53					Drilled cement and cleaned out to 3353', tested 14 GO and 31 GWPB for 2 hours. Ran Gamma Ray log to check collars.
1-22-53					Set bridge plug at 3250' and squeezed with 125 sacks cement, maximum pressure 3200#, backwashed 59 sacks.

LOG OF WELL

SHEET No. 5

District Kansas

Owner The Texas Company Farm H. De Werff

Well No. 4

FORMATION	AMOUNT	COLOR	HARD OR SOFT	DEPTH CORES TAKEN	REMARKS
<u>REMARKS (Cont)</u>					
1-26-53					Drilled cement to 3344'. Perforated 3332-40 with 32 jet shots, tested 2 GWPB. Acidized with 2000 gallons of 15% acid on vacuum. Swabbed back load and tested 42 BW with slight show of oil in 5 hours.
1-27-53					Tested 2 BO and 9 LW in 6 hours. Acidized with 1000 gallons of 15% acid and 2000 gallons of Jel X-100, on vacuum. Swabbed to bottom, then swabbed 27 barrels of fluid in 1 hour.
1-28-53					Bailed 19 GO and 106 GWPB from perforations 3332-40. Set LW plug at 3319' and plugged back to 3317' with 1/2 sacks calseal. Perforated 3294-3300 with 24 shots, tested 13 GW with scum of oil.
1-29-53					Set LW packer at 3258' and acidized perforations 3294-3300 with 2000 gallons of Jel X-100, maximum pressure 700#, minimum 400#. Swabbed back load and swabbed 3 BO and 17 BWPB for 5 hours.
1-31-53					Swabbed to bottom and tested 6.2 barrels of fluid in 6 hours, 92% water.
2-1-53					Set LW plug at 3225' and plugged back to 3223' with calseal. Perforated 3216-20 with 16 jet shots, tested no fluid. Acidized with 500 gallons of 15% acid, maximum pressure 1100#, minimum 950#, with 275# pressure drop in 5 minutes.
2-2-53					Set LW plug at 3201'. Swabbed hole down, plug came up to 2489'. Loaded hole with 2500' of water, drove plug 3223'. Ran bailer to check plug, when bailer was at 500' gas blew water and bailer out of hole.
2-3-53					Tested 134 MCF gas per day. Set LW plug at 3204' and plugged back to 3201' with 1/2 sack calseal. Perforated 3170-73 with 12 shots and 3176-81 with 20 shots, tested 3 GWPB, no oil.
2-4-53					Acidized perforations 3170-73 and 3176-81 with 500 gallons of 15% acid, maximum pressure 325#, no break. Swabbed back load and tested 4 barrels of fluid per hour, 8% oil, after swabbing for 16 hours. Dry and abandoned.