

15-077-10087-00-00

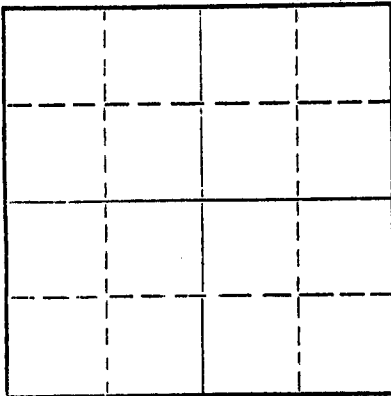
STATE OF KANSAS CORPORATION COMMISSION

Give All Reports on Completely Make Required Affidavit Mail or Deliver Report to: Conservation Division State Corporation Commission 212 No. Market Wichita, Kansas 67202

WELL PLUGGING RECORD

Harper County, Sec. 10 Twp. 31 Rge. 9 (E) (W)

Location as "NE/CNW/SW" or footage from lines C NE NE Lease Owner Rosen Oil Company Lease Name Kirkpatrick #1 Well No. Office Address Wichita, Kansas 67202 Character of Well (completed as Oil, Gas or Dry Hole) Date well completed Application for plugging filed Application for plugging approved Plugging commenced 12/19/70 Plugging completed 12/29/70 Reason for abandonment of well or producing formation depleted



Locate well correctly on above Section Plat

If a producing well is abandoned, date of last production 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 Biberstein Producing formation Depth to top Bottom Total Depth of Well 4495 Feet Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

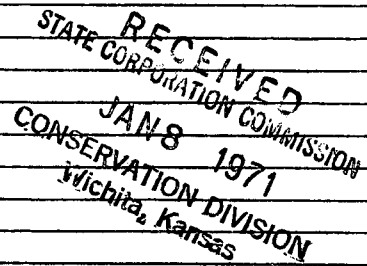
CASING RECORD

Table with 7 columns: FORMATION, CONTENT, FROM, TO, SIZE, PUT IN, PULLED OUT. Row 1: 9-5/8, 317, none. Row 2: 5 1/2", 4494', 3772'

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.

Opened 2" orbit valve, bled well 4 hours, would not die down. Had Glove pump 10 sacks gel and 25 sacks cement to kill well. Took gas head apart, rigged up on 5 1/2", had 24" tension, shot pipe at 3800', worked pipe loose and pulled 105 joints. Bailed hole to 267', set 10' rock bridge and dumped 5 yards ready mix.

PLUGGING COMPLETE.



Name of Plugging Contractor KNIGHT CASING PULLING CO., INC. Address CHASE, KANSAS

STATE OF KANSAS, COUNTY OF RICE, ss. NOEL J. KNIGHT (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) Noel Knight CHASE, KANSAS (Address)

SUBSCRIBED AND SWORN to before me this 30th day of December, 19 70

My commission expires 2/15/71

Notary Public.



## GEOLOGICAL DATA AND DRILLING AND COMPLETION PROCEDURE

FORMATION OR DATE	TOP-DEPTH INTERVAL	REMARKS OR DESCRIPTION AND RESULTS OF WORK
<u>REMARKS</u>		
10-18-57		Drilled to 180', lost circulation and regained.
10-24-57		Drilled to 2983', twisted off drill collar and recovered.
11-2-57		Ran DST #1 from 4438-50', open 1 hour, gas to surface in 30 minutes, gauged 5 MCF. Recovered 60' of slightly gas cut mud. IFP 25#, FFP 30#, BHP 1100# in 30 minutes.
11-3-57		Ran DST #2 from 4448-65', open 1-1/2 hours, recovered 125' of slightly oil cut mud. IFP 40#, FFP 78#. ISBHP 1575#, Final SBHP 248# in 30 minutes. Drilled to 4495'. Ran Schlumberger Gamma Ray-Neutron and Induction Logs.
11-19-57		Moved in cable tools and bailed hole to 3800'. Fluid started coming in hole and pushed plug up hole. Pushed plug down to 4467' and bailed down. Tested 4 GO and 11 GWPH.
11-20-57		Drilled plug and float collar, tools fell free to shoe. Ran bailer and cleaned up hole. Ran tubing with packer set at 4385' and pressured up to 4400#, could not pump in formation. Pulled tubing and packer.
11-21-57		Drilled shoe and tested casing. Pumped into formation, maximum pressure 1600#, broke to 500#. Took input of 2 barrels per minute at 500#. Swabbed to bottom, tested 2-1/2 BWPH with slight show of oil, on 2 hour test. Ran tubing with HRC retrievable squeeze packer and squeezed around shoe with 150 sacks cement, maximum pressure 3000#, backwashed 17 sacks.
11-24-57		Swabbed and bailed hole, tested dry. Drilled cement from 4414' to 4473'. Perforated 4464-68'. Swabbed down and tested 7 GFPH for 11 hours (last 2 hours averaged 1-1/2 GO and 5-1/2 GWPH).
11-25-57		Acidized perforations 4464-68' with 300 gallons of mud acid, maximum pressure 975#, broke to 750#; with 300# pressure drop in 5 minutes. Swabbed back load and tested 24 GO and 20 GWPH for 2 hours.
11-26-57		Ran tubing with packer set at 4450'. Fractured perforations 4464-68' with 3000 gallons of acid petrofrac and 3000# sand. Maximum pressure 2800#, minimum 2250#.
11-27-57		Swabbed 132 barrels of load oil thru tubing in 16 hours. Pulled tubing and packer and swabbed back load of 75 barrels, plus 45 barrels of fluid in 6 hours.
11-28-57		Swabbed 19 BO and 57 BW in 15 hours.
11-29-57		After being shut in 24 hours, swabbed 15 BO and 17 BW in 7 hours.
11-30-57		Tested 1 BO and 2-1/2 BWPH with 62,400 cubic feet of gas from perforations 4464-68'. Perforated 4455-60', tested 1 BO and 2-1/2 BWPH with 68,500 cubic feet of gas for 3 hours from perforations 4464-68' and 4455-60'. Plugged back from 4473' to 4464' with sand and to 4462' with calseal.
12-1-57		Swabbed casing to test, plug failed. Cleaned out to 4473' and plugged back to 4464' with sand, to 4463' with rock and to 4461' with 6 gallons of calseal.
12-2-57		Swabbed 26 BO and 54 BW in 17 hours from perforations 4455-60', gauged 68 MCF gas per day.

WELL W. F. Kirkpatrick Unit FIELD Spivey-Grabs AREA East Kansas  
Well No. 1

GEOLOGICAL DATA AND DRILLING AND COMPLETION PROCEDURE

FORMATION OR DATE	TOP-DEPTH INTERVAL	REMARKS OR DESCRIPTION AND RESULTS OF WORK
<u>REMARKS</u>	(Continued)	
12-3-57		Acidized perforations 4455-60' with 1000 gallons of 15% mud acid, maximum pressure 1100#, to vacuum. Swabbed back load and tested 1 BO and 2-1/2 BWPH for 7 hours.
12-4-57		Tested 1 BO and 2 BWPH for 12 hours.
12-5-57		Ran tubing and treated perforations 4455-60' with 5000# sand, 5000 gallons of acid petrofrac and 5000 gallons of crude oil. Maximum pressure 2690#, minimum 2100#. Shut in pressure 700#, dropped to 400# in 15 minutes. Pulled tubing. <span style="float: right;">5000 sd.</span>
12-6-57		Swabbed 244 barrels of load oil and 120 barrels of acid water in 12 hours, then swabbed 212 barrels of fluid in 11 hours with good show of gas.
12-7-57		Swabbed 74 BO and 117 BW in 11 hours with good show of gas. Producing formation Mississippi topped at 4430'. Producing interval perforations 4455-60'.
	<p><u>SIZE OF HOLE</u>                      13-3/4" from surface to 180'                      7-7/8" from 180' to 4495'</p>	<p><u>TOPS:</u>                      Douglas Group-----3538                      Douglas Sand-----3630                      Lansing-----3706                      Base K.C.-----4236                      Mississippi-----4430</p>

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 STATE CORPORATION COMMISSION  
 NOV 17 1970  
 CONSERVATION DIVISION  
 Wichita, Kansas