

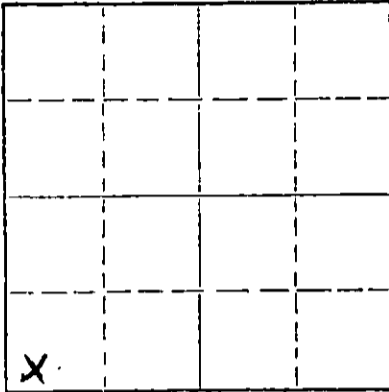
15-009-15117-0000

STATE OF KANSAS  
STATE CORPORATION COMMISSION

Form CP-4

WELL PLUGGING RECORD

Give All Information Completely  
Make Required Affidavit  
Mail or Deliver Report to:  
Conservation Division  
State Corporation Commission  
P. O. Box 17027  
Wichita, Kansas 67217  
NORTH



Locate well correctly on above  
Section Plat

Barton County. Sec. 33 Twp. 16 Rge. 11 (E) W (W)  
Location as "NE/CNW/SW" or footage from lines W/2 SW SW  
Lease Owner Joe Brougher Oil Co.  
Lease Name Harzman Well No. #8  
Office Address 5513 Apache ; Great Bend, Kansas 67530  
Character of Well (completed as Oil, Gas or Dry Hole) \_\_\_\_\_  
Date well completed \_\_\_\_\_ 19\_\_\_\_  
Application for plugging filed \_\_\_\_\_ April 19 72  
Application for plugging approved \_\_\_\_\_ April 1972  
Plugging commenced \_\_\_\_\_ May 5 1972  
Plugging completed \_\_\_\_\_ June 30 1972  
Reason for abandonment of well or producing formation \_\_\_\_\_

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 Don Truan  
Producing formation \_\_\_\_\_ Depth to top \_\_\_\_\_ Bottom \_\_\_\_\_ Total Depth of Well 3356 Feet  
Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE	PUT IN	PULLED OUT
				8 5/8"	396	None
				5 1/2"	3356	2405

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.

May 5, 1972 Plugged off bottom. Dumped sand to 3275'. Mixed and dumped 5 sx of cement.  
June 30, 1972 Plugged off top. Halliburton Oil Well Cementing Co. mixed and pumped down 8 5/8" surface casing, 3 sx of hulls, 20 sx of gel and 100 sx of cement + 4% gel.

9-13-72

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SEP 13 1972

CONSERVATION DIVISION  
Wichita, Kansas

(If additional description is necessary, use BACK of this sheet)

Name of Plugging Contractor RISS CASTING PULLING, INC.  
Address P. O. Box 1082 ; Great Bend, Kansas 67530

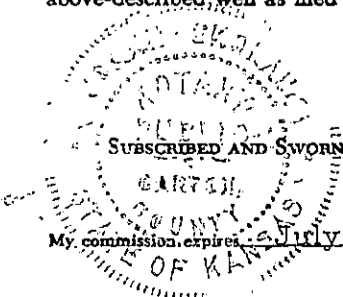
STATE OF Kansas, COUNTY OF Barton, ss.  
Joe Brougher (employee of owner) or (owner or operator) of the above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are true and correct. So help me God.

(Signature) Joe Brougher  
5513 Apache, Great Bend, Kansas 67530  
(Address)

Subscribed and Sworn to before me this 12th day of September, 1972

Joann Skolaut  
Joann Skolaut  
Notary Public.

My commission expires July 23rd, 1974.



**REPUBLIC NATURAL GAS COMPANY**  
**INDIVIDUAL WELL HISTORY - ENGINEERING DEPARTMENT**

WELL NO. 8 LEASE Harzman LOCATION G-W/2 SW SW

ELEVATION:

Sec. 33-16S-11W

K.B. 1866'  
D.F. 1863'  
G.L. 1861'

FIELD Kraft-Prusa COUNTY Barton STATE Kansas

DATE

HISTORY

Distance from Kelly bushing to top of bradenhead on surface casing is 4.60'.

Formation Tops

Heebner	2918'	(-1052)
Toronto	2936'	(-1070)
Douglas	2948'	(-1082)
Brown Lime	3016'	(-1150)
Lansing	3029'	(-1163)
Arbuckle	3300'	(-1434)

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Wichita, Kansas

8-17-57

Location staked.

8-18-57

Moved in rotary tools. Contractor - Gabbert-Jones Drlg. Co. Spudded at 9 P.M. with 12 1/4" bit.

8-19-57

Drilled 12 1/4" hole to 397'. Ran 10 jts 8-5/8" 22.7# spiral weld casing and cemented same at 396' with 175 sx. cement, 2% gel and 2% calcium chloride. Cement circulated with plug down at 8 A.M. 8-19-57.

8-20-57

Drilled out of surface pipe with 7-7/8" bit at 8 A.M.

8-25-57

D.S.T. #1 of section 3210-30' in Lansing. Ran acid DST and pumped in 30 gallons acid. Tool open 1 hour and recovered 46' of acid water. No show of oil. Initial, final, and shut in pressure after 20 minutes were 30#.

8-26-57

D.S.T. #2 of 3303-10' in Arbuckle. Tool open 1 hour. Recovered 410' of gas and 1230' of pipeline oil. IBHP 1050#; IFP 255#; FFP 640#; BHPSI after 20 minutes 1030#.

8-27-57

Completed drilling to T.D. of 3356'. Ran Schlumberger salt mud survey. Ran 108 jts of 5 1/2" J-55 8rd casing, and cemented same at 3355' with 100 sx. of cement and 2% gel. Plug down at 7:15 P.M. 8-27-57. Began moving out rotary.

8-28-57

Ran temperature survey. Top of cement behind 5 1/2" casing at 2450'.

8-29-57

Moved in company pulling unit, ran tubing to PBD 3328' and circulated around with oil. Pulled tubing.

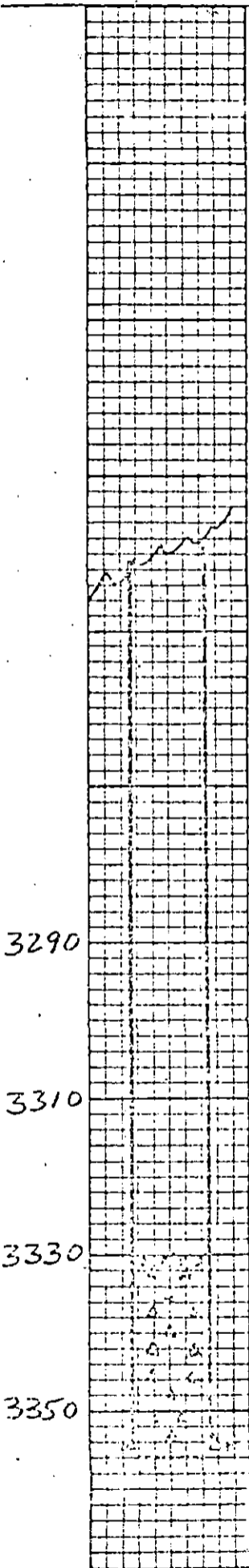
8-30-57

Ran P.G.A.C. gamma ray collar log from 2850' to 3328'. Perforated interval 3310-15' (Schlumberger measurements) or 3308-13' (F.G.A.C.) with 6 jet shots per foot. Ran tubing and rods and began installing pumping equipment.

8-31-57

On 7 hour pump test, well produced 49 BPLO, 48" stroke, 20 SPM, 1 1/2" pump. Pump efficiency 68%. Placed well on production.

9-10-57



Harzman #8

CORRECT

J.P. Campbell  
ENGINEER

APPROVED

P.B. Strat  
SUPERINTENDENT

**GABBERT-JONES DRILLING CO., INC.**  
**WICHITA, KANSAS**  
**DRILLER'S WELL LOG**

**HARZMAN #8**  
**C W2 SW4 SW4, SEC. 33-16-11W**  
**BARTON COUNTY, KANSAS**  
**COMMENCED 8-18-57**  
**COMPLETED 8-27-57**

DEPTH FROM	TO	FORMATION	REMARKS
0	135	SHALE & PYRITE	
135	165	SANDY CLAY	
165	397	RED BED & SHELLS	RAN 400' OF 8 5/8" CASING, CEMENTED w/175 SACKS CEMENT.
397	485	SHALE	
485	720	RED BED	
720	745	ANHYDRITE	
745	805	RED BED	
805	1050	SHALE & SHELLS	
1050	1290	SHALE & SALT	
1290	1445	SHALE & SHELLS	
1445	1615	LIME & SHALE	
1615	1915	LIME	
1915	2000	LIME & SHALE	
2000	2770	SHALE & SHELLS	
2770	2919	LIME	
2919	2945	SHALE	
2945	3020	SANDY SHALE	
3020	3045	LIME & SHALE	
3045	3185	LIME	
3185	3230	LIME & SHALE	
3230	3275	LIME	
3275	3303	SHALE & LIME	
3303	3356	LIME	
3356	TD		RAN 3350' OF 5 1/2" CASING, CEMENTED @ 3346' w/125 SACKS CEMENT.

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FEB 7 1972  
CONSERVATION DIVISION  
Wichita, Kansas

I, H. F. JONES, CERTIFY THIS TO BE A TRUE AND CORRECT COPY OF THE DRILLER'S WELL LOG FOR THE HARZMAN #8.

H. F. Jones

STATE OF KANSAS )  
COUNTY OF SEDGWICK ) SS

BEFORE ME, THE UNDERSIGNED, A NOTARY PUBLIC, WITHIN AND FOR SAID COUNTY AND STATE, ON THIS 5TH DAY OF SEPTEMBER 1957, PERSONALLY APPEARED H. F. JONES TO BE PERSONALLY KNOWN TO BE THE IDENTICAL PERSON WHO EXECUTED THE WITHIN AND FOREGOING INSTRUMENT AND ACKNOWLEDGED TO ME THAT HE EXECUTED THE SAME AS HIS FREE AND VOLUNTARY ACT AND DEED FOR THE USED AND PURPOSES THEREIN SET FORTH.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND OFFICIAL SEAL THE DAY AND YEAR LAST ABOVE WRITTEN.

MY COMMISSION EXPIRES NOVEMBER 19, 1958

James E. Hall  
NOTARY PUBLIC

10-10-57  
1 copy to Kansas Well Log Bureau

3 copies to L.L.O. 9-10-57

**REPUBLIC NATURAL GAS COMPANY**  
**INDIVIDUAL WELL HISTORY - ENGINEERING DEPARTMENT**

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D.F. 1853'  
G.L. 1861'

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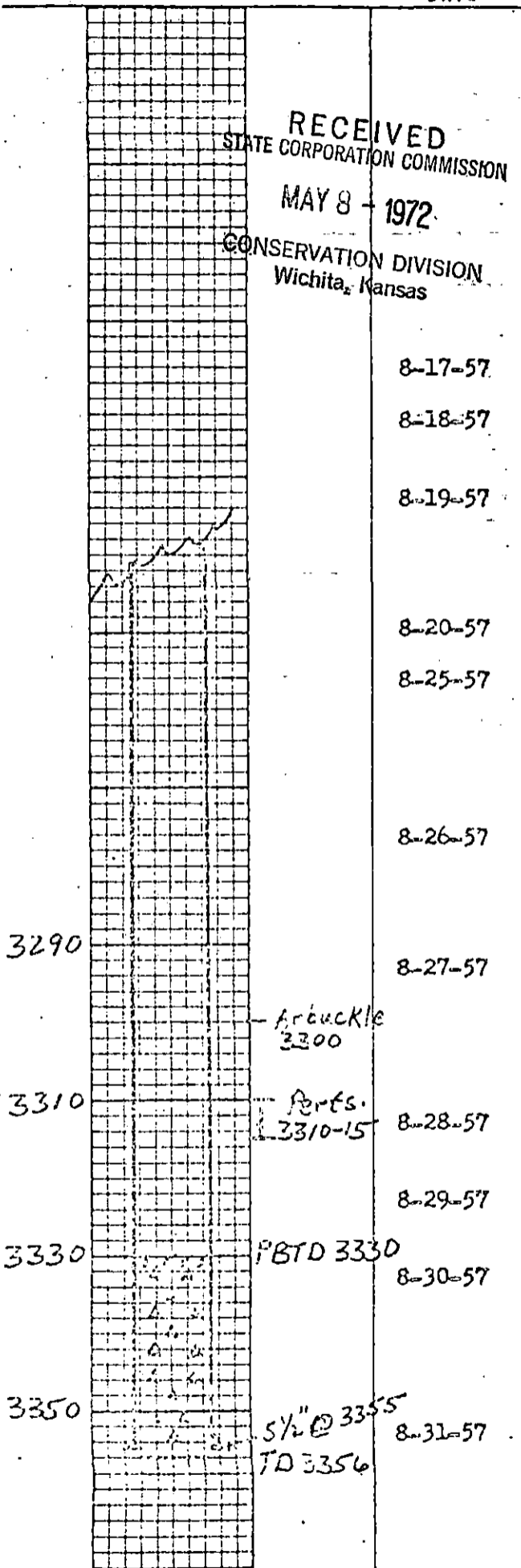
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