

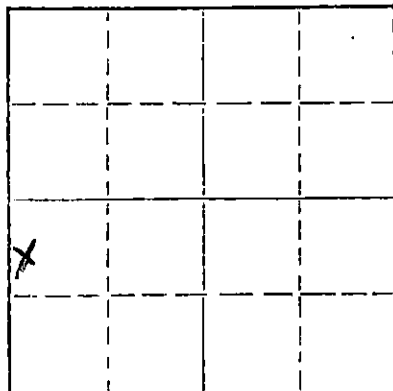
15-009-03189-00-00

STATE OF KANSAS
STATE CORPORATION COMMISSION

Form CP-4

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

WELL PLUGGING RECORD



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 W/2 SW
Lease Owner Joe Brougher Oil Co.
Lease Name Harzman Well No. # 7
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 19 72
Plugging commenced May 12 19 72
Plugging completed June 30 19 72
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 3370 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
				9 5/8"	333	None
				5 1/2"	3369	1575

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 12, 1972 Plugged off bottom. Dumped sand to 3300'. Mixed and dumped 5 sx of cement.
June 30, 1972 Plugged off top. Halliburton Oil Well Cementing Co. mixed and pumped down 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 RUSS 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

My commission expires July 23rd, 1974.

Joann Skolaut
Joann Skolaut
Notary Public.

REPUBLIC NATURAL GAS COMPANY
INDIVIDUAL WELL HISTORY - ENGINEERING DEPARTMENT

WELL NO. 7 LEASE Harzman LOCATION C-W/2 W/2 S4/4
 ELEVATION: _____ Sec. 33-16S-11W
 K.B. 1873' FIELD Kraft-Prusa COUNTY Barton STATE Kansas
 G.L. 1868'

DATE HISTORY

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MAY 8 - 1972

CONSERVATION DIVISION

Wichita, Kansas

Top of bradenhead on surface casing to Kelly bushing is 7'5".

Formation Tops

Heebner	2924'	(-1051)
Toronto	2941'	(-1068)
Douglas	2951'	(-1078)
Brown Lime	3020'	(-1147)
Lansing	3036'	(-1163)
Arbuckle	3305'	(-1432)

Location staked.

7-18-57 Moved in rotary tools. Contractor - Gabbert-Jones Drlg. Co. Spudded at 9 P.M.

7-19-57 Drilled 9" hole to 345'. Reamed 13-3/4" hole to 334'. Ran 11 jts of 9-5/8" 36# J-55 8rd casing and cemented same at 333' with 150 sx cement, 4% gel and 2% calcium chloride. Cemented circulated with plug down at 5 P.M. 7-19-57.

7-20-57 Drilled out of surface casing at 5 P.M. with 7-7/8" bit.

7-24-57 D.S.T. #1, 2950-3026'. Ran DST of Douglas sand. Tool open 30 minutes. Fair blow declining to zero at end of test. Recovered 33' of oil speckled mud, IFF 40#, FFP 40#, BHPSI 110# in 20 minutes.

7-26-57 DST #2, 3214-3221'. Ran DST of Lansing. Tool open 30 minutes. Weak blow when tool opened and gradually died. Recovered 25' of rotary mud. Initial and final flowing pressure zero. BHPSI after 20 minutes 832#.

7-26-57 DST #3, 3309-3316'. Ran DST of Arbuckle. Tool open one hour. Gas to surface in 34 minutes. Recovered 2980' of gassy oil, no water. IFF 520#, FFP 970#. BHPSI after 20 minutes 1010#. Oil circulated out of drill pipe to reserve pit.

7-27-57 Drilled to a total depth of 3370'. Ran Schlumberger mud survey. Schlumberger T.D. 3368'. Layed down drill pipe. Ran 105 jts 5 1/2" 15.5# 8rd new J-55 casing. Set same at 3369' and cemented with 100 sx cement and 2% gel. Plug down 1:45 A.M. 7/28/57. FBTD 3333'.

7-28-57 Moved out rotary tools. Ran temperature survey which showed top of cement behind 5 1/2" at 2550'.

7-30-57 Moved in cable tools and bailed hole dry down to float collar at 3333'.

7-31-57 Ran McCullough gamma ray collar log. Perforated with 6 jts per foot from 3310-14' (Schlumberger) which is equivalent to 3312-15' by McCullough. Checked fluid at 500' from bottom in 50 minutes. 850' in 90 minutes. Commenced swabbing. Swabbed at rate of 3 BPLD per hour on 3 hour test from 300' off bottom. Moved out cable tools.

Harzman #7

CORRECT

J. P. Campbell
 ENGINEER

APPROVED

P. B. Harst
 SUPERINTENDENT

Page #1

REPUBLIC NATURAL GAS COMPANY
INDIVIDUAL WELL HISTORY - ENGINEERING DEPARTMENT

WELL NO. 7 LEASE Harzman LOCATION C-W/2 W/2 SW/4

ELEVATION:

Sec. 33-16S-11W

K.B. 1873'
G.L. 1868'

FIELD Kraft-Brusa COUNTY Barton STATE Kansas

DATE

HISTORY

Top of bradenhead on surface casing to Kelly bushing
is 715'.

Formation Tops

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Douglas	2951'	(-1078)
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CONSERVATION DIVISION
Wichita, Kansas

7-15-57	Location staked.
7-18-57	Moved in rotary tools. Contractor - Gabbert-Jones Drig. Co. Spudded at 9 P.M.
7-19-57	Drilled 9" hole to 345'. Reamed 13-3/4" hole to 334'. Ran 11 jts of 9-5/8" 36# J-55 8rd casing and cemented same at 333' with 150 sx cement, 4% gel and 2% calcium chloride. Cemented circulated with plug down at 5 P.M. 7-19-57.
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Harzman #7

CORRECT

ENGINEER

APPROVED

SUPERINTENDENT

Page #1

REPUBLIC NATURAL GAS COMPANY
INDIVIDUAL WELL HISTORY - ENGINEERING DEPARTMENT

WELL NO. 7 LEASE Harzman LOCATION G-W/2 W/2 SW/4

ELEVATION:

Sec. 33-16S-11W

FIELD Kraft-Prusa COUNTY Barton STATE Kansas

DATE

HISTORY

Page #2

8-12-57

After setting pumping unit and equipping well with 2" EUE tubing and rods, well produced on 12 hour test as follows:

1 1/2" pump
48" stroke
12 strokes per minute
60 bbls. of oil or rate of 120 BOPD
No water
Pump efficiency 80%

Distance from KB to concrete pumping unit foundation is 4' 7". From concrete foundation to bradenhead on surface pipe is 2' 10".

9-10-57

3290

3310

3330

3350

3370

Arduck 3305'

Perfs. 3310-14'

PBTD 3333'

5 1/2" @ 3369'
TD 3370

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CONSERVATION DIVISION
Wichita, Kansas

Harzman #7

CORRECT

J. P. Campbell
ENGINEER

Page #2

APPROVED

P. B. Horst
SUPERINTENDENT

GABBERT - JONES DRILLING CO., INC.

WICHITA, KANSAS

DRILLER'S WELL LOG

HARZMAN #7

C W/2 W/2 SW/4, SEC. 33-16-11W

BARON COUNTY, KANSAS

COMMENCED 7-18-57

COMPLETED 7-28-57

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FEB 7 1972
CONSERVATION DIVISION
Wichita, Kansas

DEPTH		FORMATION	REMARKS
FROM	TO		
0	125	SHALE & PYRITE	
125	290	SAND & SHALE	
290	345	RED BED	RAN 337.42' OF 9-5/8" CASING, CEMENTED @ 334' WITH 150 SACKS CEMENT.
345	725	SHALE & SHELLS	
725	745	ANHYDRITE	
745	1280	SHALE	
1280	1370	SHALE & SALT	
1370	1550	SANDY LIME	
1550	1910	LIME & SHALE	
1910	2395	SHALE & SHELLS	
2395	2725	SHALE & LIME	
2725	2950	LIME	
2950	3024	SANDY SHALE	
3024	3090	LIME	
3090	3170	LIME & SHALE	
3170	3370	LIME	
3370	TD		RAN 3384.88' OF 5-1/2" CASING, CEMENTED @ 3369' WITH 100 SACKS CEMENT.

I, E. E. Hall, CERTIFY THIS TO BE A TRUE AND CORRECT COPY OF THE DRILLER'S WELL LOG FOR THE HARZMAN #7 WELL.

E E Hall

STATE OF KANSAS)
COUNTY OF SEDGWICK) SS:

BEFORE ME, THE UNDERSIGNED, A NOTARY PUBLIC, WITHIN AND FOR SAID COUNTY AND STATE, ON THIS 29th DAY OF October, 1957, PERSONALLY APPEARED E. E. Hall TO ME 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 USES AND PURPOSES THEREIN SET FORTH.

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

Notary Public
NOTARY PUBLIC

My Commission Expires:
NOVEMBER 9, 1959