

STATE OF KANSAS
STATE CORPORATION COMMISSION

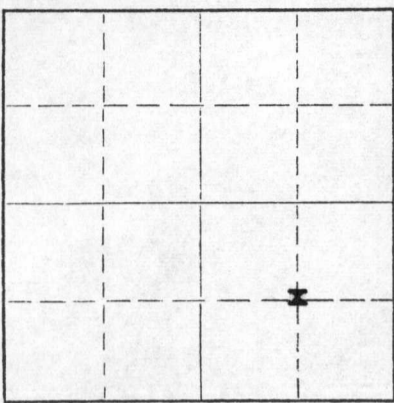
WELL PLUGGING RECORD

Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to:
Conservation Division
State Corporation Commission
211 No. Broadway
Wichita, Kansas

Clark County, Sec. 4 Twp. 34 Rge. (E) 25 (W)

Location as "NE/CNW&SW" or footage from lines C SE/4
Lease Owner The Atlantic Refining Company
Lease Name Harden Gas Unit No. 2 Well No. 1
Office Address 830 Kennedy Building, Tulsa 3, Oklahoma
Character of Well (completed as Oil, Gas or Dry Hole) Dry Hole
Date well completed 10-25 19 57
Application for plugging filed 10-25 19 57
Application for plugging approved 10-25 (Verbal) 19 57
Plugging commenced 10-26 19 57
Plugging completed 10-26 19 57
Reason for abandonment of well or producing formation Dry

NORTH



Locate well correctly on above
Section Plat

If a producing well is abandoned, date of last production Dry on completion 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 M. A. Rives, Box 8, Pratt, Kansas
Producing formation _____ Depth to top _____ Bottom _____ Total Depth of Well 5720 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"	652'	None
Morrow	Dry	5464	5474			
Mississippi	Dry	5474	5720			

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.

Ran drill pipe open-ended to 5720'. Pumped 70 sacks of Victor Portland cement from 5720' to 5500' through drill pipe. Filled hole with mud. Pushed 1/4 sack of cottonseed hulls and HOWCO plug to 450' RKB. Pumped 25 sacks of Victor Portland cement from 450' to 375' through open-ended drill pipe. Filled to 42' RKB = 32' GL with mud. Pushed 1/4 sack of cottonseed hulls and HOWCO plug to 42'. Cemented to 5' below Ground Level with 25 sacks Victor Portland cement. Job complete 2 p.m., 10-26-57.

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CONSERVATION DIVISION
Wichita, Kansas

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

Name of Plugging Contractor Roy H. Langford Drilling Company
Address 301 Oil Capital Building, Tulsa 3, Oklahoma

STATE OF OKLAHOMA, COUNTY OF TULSA, ss.
J. E. Hellinghausen (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) J. E. Hellinghausen
J. E. Hellinghausen, Regional Drilling Manager
(Address)

SUBSCRIBED AND SWORN to before me this 28th day of October, 19 57

Wanda Davis
Wanda Davis Notary Public.

My commission expires 4-6-59

PLUGGING
FILE SEC 4 T. 34 R. 25
BOOK PAGE 56 LINE 42

THE ATLANTIC REFINING COMPANY
830 KENNEDY BUILDING
TULSA 3, OKLAHOMA

Well Log - Harden Gas Unit No. 2, Well No. 1

Location: C SE/4 of Section 4-34-25W, Clark County, Kansas.

Lease No: KS-15,456.

Elevations: RKB 2083'; DF 2081'; GL 2073'.

Operations Begun: 10-1-57. Reached Total Depth: 10-23-57.

Contractor: Roy H. Langford Drilling Co., 301 Oil Capital Building, Tulsa 3, Oklahoma.

Casing Record: Set 16 joints 8-5/8" 22.7# Spiral Weld casing (642.80') at 652.65', cemented with 400 sacks HA-5 Pozmix. Cement circulated.

FORMATION RECORD

Redbed, Shale and Shells	0 - 150
Anhydrite, Shale and Redbed	150 - 499
Anhydrite, Shale and Redbed	499 - 659
Redbed and Anhydrite	659 - 1043
Shale and Redbed	1043 - 1334
Shale and Redbed	1334 - 1580
Shale and Redbed	1580 - 1750
Lime and Shale	1750 - 1979
Lime and Shale	1979 - 2135
Lime and Shale	2135 - 2290
Lime	2290 - 2363
Lime	2363 - 2409
Lime and Shale	2409 - 2534
Lime and Shale	2534 - 2594
Lime and Shale	2594 - 2672
Lime and Shale	2672 - 2728
Lime and Shale	2728 - 2784
Shale and Lime	2784 - 2886
Lime and Shale	2886 - 3040
Lime and Shale	3040 - 3199
Sandy Lime	3199 - 3233
Lime and Shale	3233 - 3378
Shale and Lime	3378 - 3514
Shale and Lime	3514 - 3609
Shale and Lime	3609 - 3764
Lime and Shale	3764 - 3881
Shale	3881 - 3947
Lime and Shale	3947 - 4072
Lime and Shale	4072 - 4232
Lime and Shale	4232 - 4278
Lime and Shale	4278 - 4400
Shale and Lime	4400 - 4490
Lime and Shale	4490 - 4532
Shale and Lime	4532 - 4607
Shale and Lime	4607 - 4673
Lime and Shale	4673 - 4705
Lime and Shale	4705 - 4778
Shale and Lime	4778 - 4810
Lime	4810 - 4843
Lime and Shale	4843 - 4892
Lime	4892 - 4910
Lime	4910 - 4975
Lime	4975 - 5016
Lime	5016 - 5054
Lime and Shale	5054 - 5122
Lime and Shale	5122 - 5180
Lime	5180 - 5212
Lime	5212 - 5282
Lime	5282 - 5343
Lime	5343 - 5366
Lime	5366 - 5408
Lime and Shale	5408 - 5436
Lime and Shale	5436 - 5479
Lime	5479 - 5499

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Well Log - Harden Gas Unit No. 2, Well No. 1

FORMATION RECORD (Cont'd.)

Lime	5499 - 5539
Lime	5539 - 5590
Lime and Shale	5590 - 5614
Lime and Shale	5614 - 5655
Lime and Shale	5655 - 5720

COMPLETION

- DST #1 5507-90 (Miss.): Tool open 1 hour, weak air blow, died in 40 minutes. Recovered 15' rotary mud. I&FBHSIP 30#/30 min., IFP 10#, FFP 20#.
- DST #2 5591-5655 (Miss.): Tool open 1 hour, no blow, remained dead thruout test. Recovered 15' rotary mud. IBHSIP 10#, FBHSIP 20#/30 min., IFP 10#, FFP 20#.
- DST #3 5650-5720 (Miss.): Tool open 1 hour, weak blow thruout. Recovered 30' rotary mud. IBHSIP 65#, FBHSIP 70#/30 min., I&FFP 30#.
- DST #4 5456-5524 (Morrow): Tool open 1 hour, weak blow, died in 50 min. Recovered 15' rotary mud. IBHSIP 48#, FBHSIP 22#/30 min., I&FFP 22#.
- DRY HOLE -
PLUGGED AND ABANDONED 10-26-57. Ran drill pipe open-ended to 5720'. Pumped 70 sacks of Victor Portland cement from 5720' to 5500' through drill pipe. Filled hole with mud. Pushed 1/4 sack of cottonseed hulls and HOWCO plug to 450' RKB. Pumped 25 sacks of Victor Portland cement from 450' to 375' through open-ended drill pipe. Filled to 42' RKB = 32' GL with mud. Pushed 1/4 sack of cottonseed hulls and HOWCO plug to 42'. Cemented to 5' below Ground Level with 25 sacks Victor Portland cement.

STATE OF OKLAHOMA)
) SS:
COUNTY OF TULSA)

I, the undersigned, being first duly sworn upon oath, state that this well record is true, correct, and complete according to the records of this office and to the best of my knowledge and belief.

J. E. Hellinghausen
J. E. Hellinghausen
Regional Drilling Manager

Subscribed and sworn to before me this 31st day of October, 1957.

My commission expires 4-6-59.

Wanda Davis
Wanda Davis
Notary Public

FILED
NOV 1 1957
CONSERVATION DIVISION
Wichita, Kansas

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