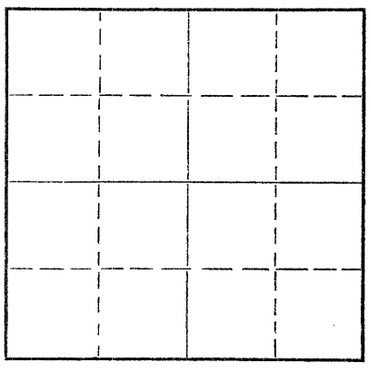
15-065-2146-00-00

STATE OF KANSAS
STATE CORPORATION COMMISSION

Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to:
Conservation Division
State Corporation Commission
212 North Market, Insurance Bldg.
Wichita, Kansas

WELL PLUGGING RECORD

NORTH



Locate well correctly on above Section Plat

Graham County. Sec. 32 Twp. 9S Rge. 21 (E) W (W)

Location as "NE/CNW¼SW¼" or footage from lines (330' N of S Line, 330' E of W Line, SE/4)

Lease Owner General American Oil Co. of Texas

Lease Name C. J. Early Well No. 1

Office Address Box 352, Hutchinson, Kansas

Character of Well (completed as Oil, Gas or Dry Hole) Oil

Date well completed June 25 19 50

Application for plugging filed May 4 19 60

Application for plugging approved May 9 19 60

Plugging commenced May 17 19 60

Plugging completed May 18 19 60

Reason for abandonment of well or producing formation Not economical to produce

If a producing well is abandoned, date of last production December 15 19 59

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 A. D. Fabricius

Producing formation Kansas City Depth to top 3520 Bottom 3748 Total Depth of Well 3794 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
Cemented w/200 sks. bulk cement - circulated by HOWCO				10 3/4"	280'	None
Cemented w/175 sks. cement - Top cement 3020'				7"	3858½'	None
(Formation Log Attached)						

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 10 sacks cement through 2" tubing at 3559'. Set bridge at 290' and filled with rock to 280'. Dumped in 25 sacks cement through casing on top of bridge. Mudded to 60' - set second bridge at 60'. Ran rock with 5' fill-up to 55' and cemented to surface with 10 sacks cement.

RECEIVED
STATE CORPORATION COMMISSION
5/20/60
MAY 20 1960
CONSERVATION DIVISION
Wichita, Kansas

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

Name of Plugging Contractor General American Oil Company of Texas

Address Box 352, Hutchinson, Kansas

STATE OF Kansas, COUNTY OF Reno, ss.

W. E. Walter (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) W E Walter

Box 352, Hutchinson, Kansas
(Address)

SUBSCRIBED AND SWORN TO before me this 19th day of May, 19 60

C. L. Wright
Notary Public.

My commission expires July 16, 1962

5441

FORMATION LOG

15-065-02146-00-00

Deep Rock #1 Early
SW/SW/SE; 32-9S-21W
Graham County, Kansas
Elevation: 2900 derrick floor

10 3/4" surface casing 280'; 200 sacks
7" casing 3858½; 175 sacks

Note: All measurements are taken from the top of the rotary bushing which is two feet above the derrick floor.

Depth	Formation Description	Remarks
0 - 280	Clay & shale	Drillers log 0 - 3000'
280 - 1560	Shale & sand	
1560 - 1770	Shale	
1770 - 1815	Trace white gypsum, mostly gray shale; some gray, crystalline anhydrite	Stone corral
1815 - 2165	Shale & shells	
2165 - 2350	Shale & limestone	
2350 - 2500	Shale & shells	
2500 - 2630	Limestone, shale & shells	
2630 - 2755	Shale & limestone	
2755 - 2975	Limestone & shale	
2975 - 3000	Shale	
	Sample log starts 3000'	
3000 - 3068	Shale, red, gray & green-gray; streaks limestone, light tan to gray, finely crystalline.	
3068 - 3088	Shale, as above; streaks fine dirty gray sand.	
3088 - 3138	Shale & sand, as above	
3138 - 3143	Limestone, light gray, sub-crystalline	
3143 - 3158	Shale, as above	
3158 - 3184	Streaks limestone, light tan, finely crystalline.	
3184 - 3200	Shale, gray & brown	
3200 - 3223	Shale, as above; some gray, finely crystalline to sub-crystalline limestone.	
3223 - 3250	Limestone, light tan to brown, finely crystalline; probable shale streaks.	
3250 - 3256	Shale, streak, green & gray	
3256 - 3275	Limestone, dark gray, mottled, finely crystalline.	
3275 - 3330	Limestone, light tan to brown, dense.	Topeka
3330 - 3338	Limestone, tan to brown sucrose; trace white opaque chert.	Slightly porous, fair stain
3338 - 3350	Limestone, light cream, fossiliferous, crystalline, chert, as above.	Fair porosity; no show
3350 - 3408	Limestone, as above; some gray shale streaks; much chert.	
3408 - 3415	Shale, gray	
3415 - 3428	Limestone, as above; brown shale streaks.	
3428 - 3448	Limestone tan to gray; sub-crystalline to finely crystalline; chert, blue-gray, translucient to transparent.	
3448 - 3455	Limestone, white, sub-crystalline, cherty.	Pin-point porosity, fair show heavy free oil; no odor.

(2). Formation log; Deep Rock #1 Early

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Depth	Formation Description	Remarks
3455 - 3457	Limestone, tan to gray, as above	
3457 - 3462	Limestone, white, as above	Some porosity & free oil, trace odor.
3462 - 3480	Limestone, as above; much chert, green and brown.	
3480 - 3484	Shale, brown-black	Heebner
3484 - 3489	Limestone, blue-gray to brown dense.	Leavenworth
3489 - 3502	Shale, gray & green; trace fine gray sand	
3502 - 3504	Limestone, white crystalline to finely crystalline; chert, white, oolitic and fossiliferous chert, partly devitrified.	Dodge
3504 - 3512	Limestone, as above	Some porosity, possible trace stain.
3512 - 3520	Shale, brown & green-gray; some sand	
3520 - 3549	Limestone, tan to gray, dense to sub-crystalline; much chert, gray & white vitreous, opaque to translucient.	Lansing
3549 - 3558	Streaks gray-green & brown shale	
3558 - 3563	Limestone, white to light tan, finely crystalline, trace oolites & oolicasts.	Fair vugular porosity & odor; some free oil; light stain in dry sample.
3563 - 3570	Limestone, as above	No porosity or stain.
3570 - 3576	Green & brown shale; some limestone, as above.	
3576 - 3584	Increase in limestone, as above	
3584 - 3590	Much shale, as above	
3590 - 3600	Increase in limestone, as above; much tan to brown chert, opaque to translucient, spicular	
3600 - 3604	Shale, as above	
3604 - 3612	Limestone, white to light brown, finely crystalline, some oolites & oolicasts.	Fair pin-point porosity, fair odor & show free oil, good stain, some dead oil.
3612 - 3614	Limestone, as above	No porosity
3614 - 3616	Gray & brown shale	
3616 - 3642	Limestone, white, dense	Possible streak porosity & stai
3642 - 3644	Gray & brown shale	
3648 - 3654	Limestone & shale, as above	
3654 - 3660	Limestone, white to tan dense	Possibly porous
3660 - 3664	Limestone, as above; some gray & brown shale.	No porosity
3664 - 3666	Limestone, as above	No porosity
3666 - 3668	Gray and brown shale	
3668 - 3670	Limestone, as above	No porosity
3670 - 3675	Gray and brown shale	
3675 - 3678	Limestone, as above	Possibly porous
3678 - 3684	Limestone & shale, as above	No porosity
3684 - 3688	Limestone, as above	
3688 - 3692	Gray and brown shale	
3692 - 3696	Limestone, as above	Possibly porous
3696 - 3700	Limestone, as above	
3700 p 3706	Limestone & shale, as above	
3706 - 3713	Shale, gray, green & brown	
3713 - 3716	Limestone, white to light brown, sub-crystalline to dense	
3716 - 3720	Limestone, white to light brown, sub-crystalline.	Some pin-point porosity, no odor, fair stain, slight trace free oil.

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Depth	Formation Description	Remarks
3720 - 3726	Limestone, white, dense; brown and green shale streaks.	
3726 - 3730	Limestone, as above	
3730 - 3736	Gray and brown shale	
3736 - 3740	Limestone, as above	Possibly porous
3740 - 3746	Limestone & shale, as above	
3746 - 3748	Limestone, white, sub-crystalline, oolitic	Base Kansas City 3748
3748 - 3764	Shale, green brown & gray; trace red limestone	Marmaton
3764 - 3770	Limestone, white to yellow, sub-crystalline to finely crystalline	
3770 - 3779	Shale, as above; streaks red limestone	
3779 - 3780	Limestone, red	
3780 - 3788	Shale, and limestone, as above	
3788 - 3790	Limestone, as above	
3790 - 3795	Shale, as above	
3795 - 3798	Limestone, as above	
3798 - 3803	Shale, as abobe	
3803 - 3806	Limestone, as above	
3806 - 3810	Shale, as above	
3810 - 3817	Chert, red to orange, trace white, opaque to translucient	Conglomerate
3817 - 3827	Brown & white devitrified, dark maroon shale	
3827 - 3840	Chert, red, opaque vitreous, some partly devitrified red & white chert.	
3840 - 3848	Chert, as above; some black vitreous chert, opaque to translucient	
3848 - 3856	Shale, bright green & brown; trace fine sand glassy.	Simpson
3856 - 3860	Dolomite, gray to tan, finely crystalline to crystalline.	Arbuckle; fair porosity, free oil, possible trace odor
3860	Rotary Total Depth.	

6/23/50: Drilled plug, made no new hole. Filled up 1200'/4 hours; no water.
6/24/50: Filled up 2250' oil/10 hours; no water; swab 1000' off bottom. 8 B.O.P.H. for 3 hours.

Drill Stem Tests:

(1) 3447-56: Open 40 min/slight blow which stopped in 20 minutes. Recovered 30' slightly oil cut mud, no water. Bottom hole pressure 860#

(2) 3457-73: Open 40 min./recovered 20' slightly oil cut mud; no water Bottom hole pressure 620#

(3) 3553-70: Open 30 min./very good blow; gas at surface in 40 minutes; Recovered 1290' clean oil and 180' oily mud & muddy oil; no water; Bottom hole pressure 900#; Flow pressure 370#

(4) 3708-25: Open 30 min./slight blow; packer washed out; recovered rotary mud; Reconditioned hole; Tried to D.S.T. from 3711 - 25; packer would not hole.

Samples examined and log compiled by Wendell S. Johns.