

Permit #: 20001

Date Issued: 08-11-75

County: ADAIR

Date Cancelled: _____

CONFIDENTIAL UNTIL: _____

Date Plugged: 08-05-75

COMMENTS:

Stripped #2-03-81 S.T.
NGS # 27949
Strat Test n K.2 |

OGC FORMS	Date Received
1	
2	
3	08-11-75
3i	
4	08-11-75
4i	
5	
6	
7	08-11-75
8	
11	
12	
Misc, Form 2	

	TYPE	ID #	Date Received
Logs			
Samples	chip core		
	water		
Analyses	core		

Additional Submitted Data:
samples

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATION TO DRILL DEEPEN PLUG BACK

NAME OF COMPANY OR OPERATOR The Anschutz Corp DATE 8-5-75
1110 Denver Club Bldg. Denver Colo. 80202
Address City State

DESCRIPTION OF WELL AND LEASE

Name of lease Strat test #K-21 Well number _____ Elevation (ground) 1000'

WELL LOCATION (give footage from section lines)
_____ ft. from (N) (S) sec. line _____ ft. from (E) (W) sec. line

WELL LOCATION SESE Section 20 Township 64N Range 17W County Adair

Nearest distance from proposed location to property or lease line: _____ feet
Distance from proposed location to nearest drilling, completed or applied - for well on the same lease: _____ feet

Proposed depth: 300' Rotary or Cable tools Rotary Approx. date work will start 8-5-75

Number of acres in lease: _____
Number of wells on lease, including this well, completed in or drilling to this reservoir: _____
Number of abandoned wells on lease: _____

If lease, purchased with one or more wells drilled, from whom purchased: Name _____ Address _____
No. of Wells: producing _____ inactive _____ abandoned _____

Status of Bond
Single Well Amt. _____ Blanket Bond Amt. 30,000 ON FILE ATTACHED

Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone) use back of form if needed.

Proposed casing program:				Approved casing - To be filled in by State Geologist			
amt.	size	wt./ft.	cem.	amt.	size	wt./ft.	cem.
<u>plug at</u>	<u>base of dirt</u>						
<u>plug at</u>	<u>surface</u>						

I, the undersigned, state that I am the _____ of the _____ (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.
Signature Verne P. Berry

Permit Number: 20001
Approval Date: 11 Aug 75
Approved By: WBHauer by WBL

Approval Limited to Stratigraphic Test Only
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SAMPLES REQUIRED
 SAMPLES NOT REQUIRED
WATER SAMPLES REQUIRED @:

Note: This Permit not transferable to any other person or to any other location.
Remit two copies to: Missouri Oil and Gas Council
P.O. Box 250 Rolla, Mo. 65401
One will be returned.

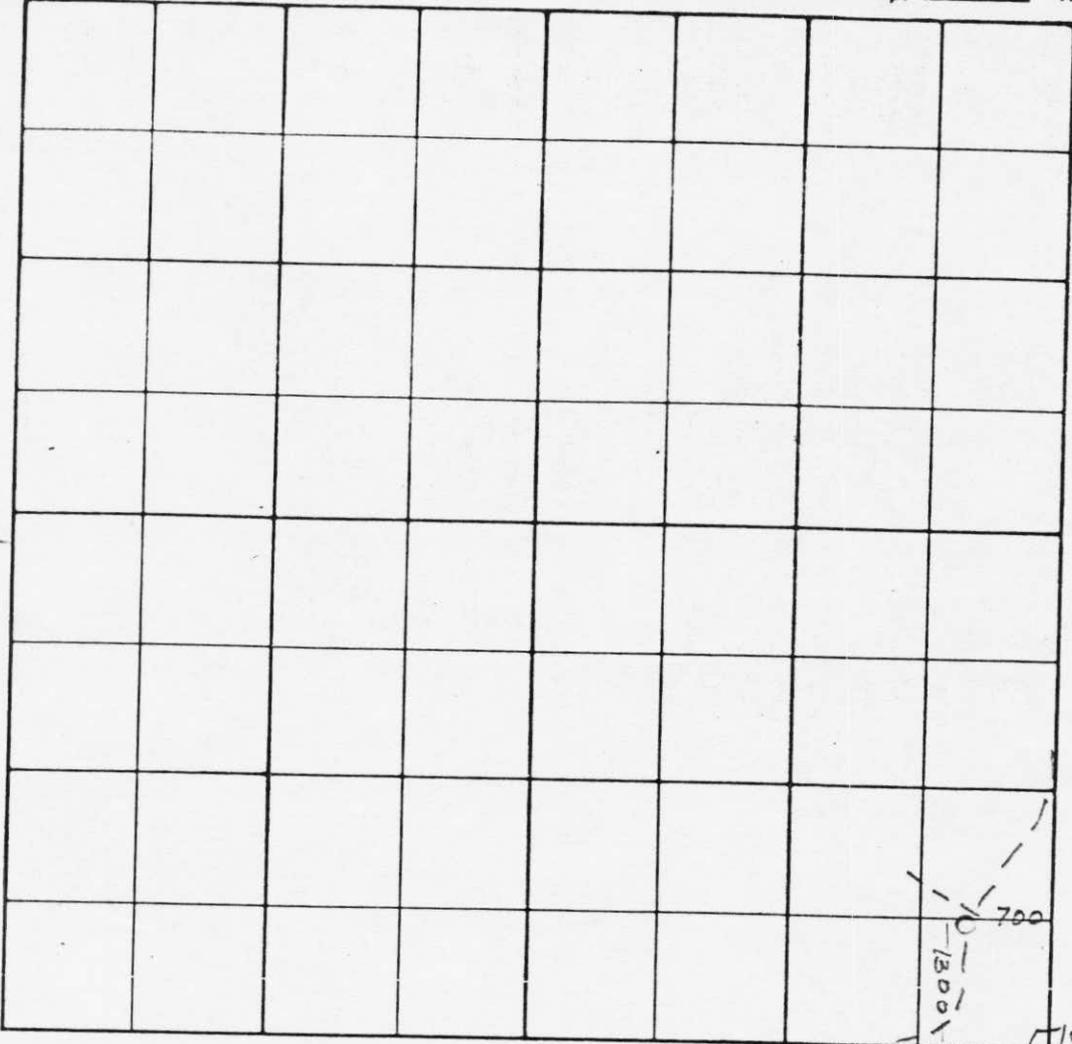
MISSOURI OIL AND GAS COUNCIL
WELL LOCATION PLAT

Form OGC - 4

Owner: The Anschutz Corp

Lease Name: Strat Test K-21 County, Adair
1300' N 700' W of SE Cor

_____ feet from (N) - (S) line and _____ feet from (E) - (W) line
of Sec. 20 Twp. 64 N Range 17 W



SCALE
1" = 1000'

REMARKS: _____

INSTRUCTIONS

On the above plat, show distance of the proposed well from the two nearest lease and section lines, and from the nearest well on the same lease completed in or drilling to the same reservoir. If the location requested is not in conformance with the applicable well-spacing rules, show all off-setting wells to the proposed well. Do not confuse survey lines with lease lines. See rule 7 - 3 (b) for survey requirements.

(SEAL)

Remit two copies to: Missouri Oil and Gas Council
P.O. Box 250 Rolla, Mo. 65401
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Registered Land Surveyor

**MISSOURI OIL AND GAS COUNCIL
PLUGGING RECORD**

Form OGC-7

Owner <i>The Anschutz Corp</i>		Address <i>1110 Denver Club Bldg Denver, Colo. 80202</i>			
Name of Lease		Well No. <i>K-21</i>			
Location of Well <i>1300' N & 700' W of SE Cor</i>		Sec-Twp-Rge or Block & Survey <i>Sec. 20, T64N, R17W</i>	County <i>Adair</i>		
Application to drill this well was filed in name of <i>The Anschutz Corp</i>	Has this well ever produced oil or gas	Character of well at completion (initial production) Oil (bbls/day) Gas (MCF/day)	Dry?		
Date Abandoned: <i>8-5-75</i>	Total depth <i>300'</i>	Amount well producing prior to abandonment. Oil (bbls/day) Gas (MCF/day)	Water (bbls./day)		
Name of each formation containing oil or gas. Indicate which formation open to well-bore at time of abandonment	Fluid content of each formation	Depth interval of each formation	Size, kind & depth of plugs used. Indicate zones squeeze cemented, giving amount cement.		
<i>Drift - Penn contact @ 90'</i>					
<i>5 Sax @ 100'</i>					
<i>2 Sax @ 20</i>					
Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)	Give depth and method of parting casing (shot, ripped etc)	Packers and shoes
Was well filled with mud-laden fluid? <i>Yes</i>	Indicate deepest formation containing fresh water.				
NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE					
Name	Address			Direction from this well:	
Method of disposal of mud pit contents: <i>Left in hole, remainder dumped on surface</i>					
Use reverse side for additional detail					
File this form in duplicate with					
<p>CERTIFICATE: I, the undersigned, state that I am the <i>geologist</i> of the <i>Anschutz Corp.</i> (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.</p>					
<p><i>Verne P. Berry</i> Signature</p>					

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THE ANSCHUTZ CORPORATION
 STRATIGRAPHIC TEST #K-21

1300' FSL and 700' FEL
 Section 20, Township 64 North, Range 17 West
 Adair County, Missouri
 Elevation 1000' Total Depth 300'

Drift; silt, sand and clay, brown to tan oxidized	0 - 90'
Silt; gray, soft to hard with limestone streaks	90 - 140'
Shale; gray to dark gray, hard, with coal streaks at 155-165' ?	140 - 160'
Shale; gray, hard, with thin limestone stringers	160 - 170'
Shale; gray to dark gray, hard	170 - 180'
Silt; gray, soft, with streaks of gray to dark gray soft shale	180 - 200'
Silt; gray, soft, with streaks at 202' and 214'	200 - 230'
Silt; gray, soft	230 - 245'
Shale; gray to dark gray, hard, with coal streak at 246'	245 - 255'
Shale; gray to dark gray, hard	255 - 265'
Silt, gray, soft	265 - 280'
Sandstone; gray to light gray, very fine grained, soft	280 - 295'
Shale; gray, soft, silty	295 - 300'

Electric Log

- 1.8' of Coal at 201.3' - Bevier ✓
- 1.2' of Coal at 212.1' - Wheeler
- 1.4' of Coal at 245.3' - Croweburg