

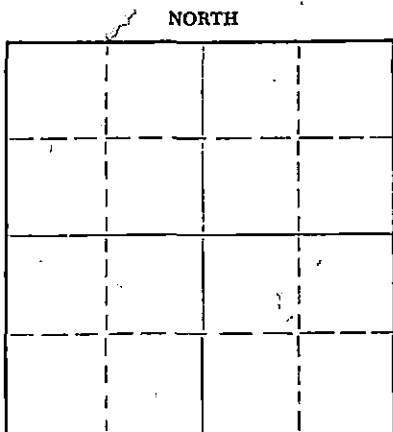
WELL PLUGGING RECORD

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

Rice

County. Sec. 20 Twp 20S Rge. 6 (E) X (W)

Location as "NE/CNW%SW%" or footage from lines \_\_\_\_\_  
Lease Owner Barbara Plains Exploration Co.  
Lease Name 1135 Petroleum Club Bldg., Denver, Colorado Well No. \_\_\_\_\_  
Office Address \_\_\_\_\_  
Character of Well (completed as Oil, Gas or Dry Hole) Dry Hole 4/22 66  
Date well completed \_\_\_\_\_ 19 \_\_\_\_\_  
Application for plugging filed 1/24 19 67  
Application for plugging approved March 13 19 67  
Plugging commenced April 11 19 67  
Plugging completed \_\_\_\_\_ 19 \_\_\_\_\_  
Reason for abandonment of well or producing formation No production



Locate well correctly on above Section Plot

If a producing well is abandoned, date of last production XX 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 Gilbert Toman  
Producing formation None Depth to top \_\_\_\_\_ Bottom \_\_\_\_\_ Total Depth of Well \_\_\_\_\_ 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

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.

Put back in the 5" with gravel to 3350' and dumped 5 sacks of cement. Shot pipe off at 3053.55'. Pulled pipe and squeezed with Halliburton with 8 barrels of mud and 65 sacks of cement.

RECEIVED  
STATE CORPORATION COMMISSION

MAY 3 1967

CONSERVATION DIVISION  
Wichita, Kansas

RECEIVED  
STATE CORPORATION COMMISSION

APR 24 1967

CONSERVATION DIVISION  
Wichita, Kansas

Name of Plugging Contractor Bert Self (If additional description is necessary, use BACK of this sheet)  
Address Hutchinson, Kans.

STATE OF Kans. COUNTY OF Reno, ss. Employee (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) Bert Self  
R. R. #4, Hutchinson, Kans. (Address)

SUBSCRIBED AND SWORN TO before me this 18th day of April, 19 67

My commission expires October 18, 1969

Notary Public.



**Blackstone Drilling, Inc.**

Box 455 • 523 West Kansas • Phone CH 1-1250

**McPHERSON • KANSAS**  
67460

April 14, 1966

COMPANY: BRADEN-DEEM, INC.  
 CONTRACTOR: BLACKSTONE DRILLING, INC.  
 FARM: BARBARA # 1  
 LOCATION: SE/4 NE/4, Sec. 20-20S-6W,  
 Rice County, Kansas  
 COMMENCED: April 6, 1966  
 COMPLETED: April 13, 1966  
 ELEVATION: 1632 K.B.

0	to	70	Clay & Redbed
70	to	190	Shale & Shells
190	to	900	Shale & Lime
900	to	995	Shale
995	to	1415	Lime
1415	to	1715	Lime & Shale
1715	to	2090	Shale & Lime
2090	to	2245	Lime & Shale
2245	to	2635	Lime
2635	to	2790	Lime & Shale
2790	to	2830	Shale & Lime
2830	to	3225	Lime
3225	to	3363	Lime & Shale
3363	to	3368	Mississippi
3365	to	3387	Core 6 1/8" #1
3382	to	3398	Core 6 1/8" #2
		3398	T. D.

RECEIVED  
 STATE CORPORATION COMMISSION  
 JAN 25 1967  
 CONSERVATION DIVISION  
 Wichita, Kansas

Cut 12 1/4 in. hole to 190 ft., and run 196 ft. of 8 5/8 in. surface pipe and cemented with 145 sacks cement on bottom at 190 ft. Plug down at 3:00 P.M., April 6, 1966. Cut 7 7/8 in. hole to 3365 ft. and cored from 3365 ft. to 3398 ft. then went back to bottom with 7 7/8 in. bit and reamed 4 ft. from 3365 ft. to 3369 ft. Run 9379.51 ft. of 5 1/2 in. O.D. casing and cemented 31 ft. off bottom at 3367 ft. with 90 sacks salt saturated cement. Plug down at 2:00 P.M., April 13, 1966.

TOPS: Kansas City - 2830' Mississippi - 3263'

Measurements taken from K. M.

**CERTIFICATE**

I, H. J. Plouffe, President of Blackstone Drilling, Inc. do hereby certify that the above and foregoing is a true and correct copy of log on your Barbara #1, located on the SE/4 NE/4 of Sec. 20-20S-6W, Rice County, Kansas as reflected by the files of Blackstone Drilling, Inc.

H. J. Plouffe, President

Subscribed and sworn to before me a Notary Public in and for McPherson County, Kansas this 17th day of April, 1966.

Ruth McVay - Notary Public

My Commission Expires: December 18, 1969.

**bd | BRADEN-DEEM, INC.**

210 ONE-TWENTY BUILDING • WICHITA, KANSAS 67202 • AMherst 5-1731

Cable-tool Rigs and Ditchers

Well Completions and Workovers

Lease Operations and Engineering

**COMPLETION REPORT**

BARBARA #1  
SE NE Sec. 20-20S-6W  
Rice County, Kansas

Doy C. Deem

- 4/19/66 Moved in Arrow Well Service Cable Tools. Swabbed hole down and drilled out rubber plug float, 20' cement and shoe. Cleaned out to TD of 3398' - hole very muddy. Drilled 3' new formation (chat w/green shale) from 3398-3401. Rainbow of oil in wash bucket. Dumped 55 gals of mud acid and 55 gals. of water in hole and let set overnight.
- 4/20/66 Balled hole down - recovered acid water and 1 gal. of live oil. Let set 2½ hours and ran baller. Recovered 20 gals. of water and 1 quart of live oil. Released Cable Tool rig. TD 3401' KB.
- 4/21/66 Pumping frac water.
- 4/22/66 Fraced Mississippi Chat (open hole 3367-3401) with 27,000 barrels of water and 60,000# of sand using Halliburton. Used 3 - HT 400 pump trucks and blender.

Pad Volume	14,600 bbls.
Treatment Volume w/ 50,000# 20-40 mesh sand and 10,000# 10-20 mesh sand	10,000 "
Flush	2,400 "
Total Volume	27,000 "

Minimum treating pressure	2000 psi
Maximum " "	2250 psi

Maximum Injection rate	58 bbls/min.
Minimum " "	50 bbls/min.
Average " "	54 bbls/min.

Total pumping time 9 hours.  
Job complete at 10:15 PM 4/22/66

Instant shut in pressure	1100 psi
10 min. " "	1000
45 min. " "	700
8 hrs. " "	500
44 hrs. " "	300

As soon as pressure dissipates we will set pumping unit, run tubing and rods, put well on pump and start pumping frac water back.

RECEIVED  
STATE CORPORATION COMMISSION  
JAN 25 1967  
CONSERVATION DIVISION  
Wichita, Kansas