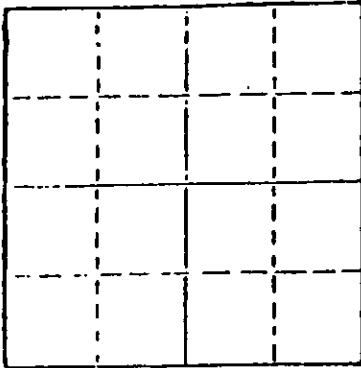


STATE OF KANSAS
STATE CORPORATION COMMISSION

WELL PLUGGING RECORD

Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to
Conservation Division
State Corporation Comm.
245 North Water
Wichita, KS 67202

Ness County. Sec. 4 Twp. 17S Rge. 23 E/W
Location as "NE/CNW $\frac{1}{4}$ /SW $\frac{1}{4}$ " or footage from lines 60' W of SW NE SW
Lease Owner MCAAM Oil Company, Inc.
Lease Name Harkness Well No. 1
Office Address 250 N. Rock Rd., Suite 150, Wichita, Ks.
Character of Well (Completed as Oil, Gas or Dry Hole) Dry Hole
Date Well completed November 25, 1981
Application for plugging filed 19
Application for plugging approved November 25 1981
Plugging commenced November 25 1981
Plugging completed November 25 1981
Reason for abandonment of well or producing formation Dry Hole
If a producing well is abandoned, date of last production 19



Locate well correctly on above Section Plot

Name of Conservation Agent who supervised plugging of this well Marion Schmidt
Producing formation _____ Depth to top _____ Bottom _____ Total Depth of Well _____
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
		0	326'	8-5/8"	318'	none

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 hold. If cement or other plugs were used, state the character of same and depth placed, from _____ feet to _____ feet for each plug set.

Hole plugged with 50-50 pozmix as follows:

- 1st plug @ 960' with 70 sacks
- 2nd plug @ 300' with 40 sacks
- 3rd plug & solid bridge @ 40' with 10 sacks
- 5 sacks in mousehole
- 5 sacks in rathole

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

Name of Plugging Contractor Halliburton

STATE OF KANSAS COUNTY OF SEDGWICK, ss.
John Jay Darrah, Jr., Contractor (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)

John Jay Darrah, Jr.

405 Century Plaza, Wichita, Ks. 67202
(Address)

SUBSCRIBED AND SWORN TO before me this 1st day of December, 19 81

Dianne R. Fowler
Dianne R. Fowler, Notary Public.

My commission expires August 25, 1984

RECEIVED
STATE CORPORATION COMMISSION
DEC - 2 1981

CONSERVATION DIVISION
Wichita, Kansas

DRILLERS LOG

COMPANY: MCAAM Oil Company, Inc. WELL NAME: HARKNESS #1
 DESCRIPTION:
 CONTRACTOR: MALLARD DRILLING CO., INC. 60' W of SW NE SW
 405 Century Plaza Sec. 4-17S-23W
 Wichita, Kansas 67202
 RIG NO.: 1 COUNTY: Ness
 TOTAL DEPTH: 4445 ELEVATION: 2411
 COMMENCED: November 18, 1981 COMPLETED: November 25, 1981

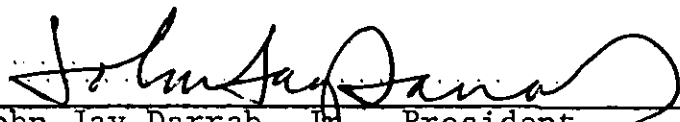
CASING RECORD:
 8 jts. new 8 5/8" 24# surface

.....D & A

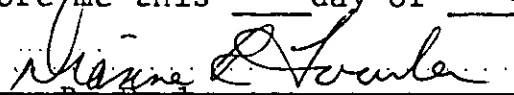
<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS</u>
Surface soil, shale	0	1195	Ran 318' new 24# 8-5/8"
Sand	1195	1740	surface casing; set and cemented
Anhydrite	1740	1774	with 195 sacks Class A cement,
Shale	1774	3830	2% gel, 3% CaCl at 326' with
Shale with lime	3830	4178	landing joint. Cement circulated.
Lime	4178	4311	Plug down at 8:30 p.m., November
Fort Scott	4311	4353	18, 1981
Lime	4353	4430	DST #1 @ 4353
TD	4430	4443	Logged
		4445	Hole plugged with 50-50 pozmix, 4% gel, 3% CaCl, as follows: 70 sacks @ 960'; 40 sacks @ 300'; 10 sacks & solid bridge @ 40'; 5 sacks in mousehole; 5sacks in rathole. Plugging completed at 2:30 p.m. November 25, 1981.

STATE OF KANSAS)
) SS.
 COUNTY OF SEDGWICK)

I, JOHN JAY DARRAH, JR. of MALLARD DRILLING CO., INC., certify that this is a true and correct copy of the log of the #1 HARKNESS well, to the best of my knowledge.


 John Jay Darrah, Jr., President

SUBSCRIBED AND SWORN to before me this 1st day of December, 19 81.


 Dianne R. Fowler, Notary Public

My Commission Expires:
 August 25, 1984

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 STATE CORPORATION COMMISSION

DEC - 2 1981

CONSERVATION DIVISION
 Wichita, Kansas