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33-23-4W

GEOLOGICAL REPORT

Chas. D. Johnson  
Hoskinson # 1  
SW SE SW, Sec. 33-23-4W  
Field: Burrton  
Reno County, Kansas

April 6, 1981  
Elevation: 1477 EKB  
Comm: 3/24/81; Comp: 4/6/81  
Casing: 10-3/4" @ 263'/200ax.  
8-5/8" @ 576'/75ax.  
5-1/2" @ 3352'/75ax.

FORMATION TOPS

Mississippian	3324 (-1847)
Osage	3352 (-1875)
RTD	3356 (-1879)

Cores: None

Drill Stem Tests: None

Electrical Logs: None

Gas Detector: None

Measurements: were taken from Kelly bushing, 5 feet above ground level.

FORMATION SUMMARY

MISSISSIPPIAN

3324-3322 Chert: white and greenish leached and white and buff sharp, poor porosity, slight show of gas, trace of oil, gilsonite stain, faint odor. It is believed this zone does not warrant testing.

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70577

# Blackstone Drilling, Inc.

Box 1184 • 523 West Kansas • Phone (316) 241-1250

McPHERSON, KANSAS 67460

April 7, 1981

33-23-4W

COMPANY: CHARLES D. JOHNSON  
 CONTRACTOR: BLACKSTONE DRILLING, INC.  
 FARM: HOSKINSON #1  
 LOCATION: C SW SE SW Section 33-23-4W,  
 Reno County, Kansas  
 COMMENCED: March 24, 1981  
 COMPLETED: April 5, 1981  
 ELEVATION:

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0	to	240	Sand
240	to	630	Shale
630	to	1010	Shale & Lime
1010	to	1333	Lime & Shale
1333	to	2278	Shale & Lime
2278	to	2300	Lime
2300	to	2615	Shale & Lime
2615	to	2850	Lime & Shale
2850	to	3060	Shale & Lime
3060	to	3195	Lime & Shale
3195	to	3273	Shale & Lime
3273	to	3324	Lime
3324	to	3356	Mississippi
		3356	T. D.

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Cut 17" hole to 263' and run 265' of 10 3/4" surface casing, cemented with 200 sacks of cement at 263'. Plug down at 2:15 P. M., March 24, 1981. Run 3362' of 5 1/2" casing, cement 4 feet off bottom with 75 sacks of cement at 3352'. Plug down at 5:45 A. M., April 6, 1981.

TOPS: MISSISSIPPI - 3324'

Measurements taken from K. B.

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### CERTIFICATE

I, P. E. Plouffe, President of Blackstone Drilling, Inc. do hereby certify that the above and foregoing is a true and correct copy of the log on your Hoskinson, located on the C SW SE SW Section 33-23-4W, Reno County, Kansas as reflected by the files of Blackstone Drilling, Inc.

  
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 P. E. Plouffe, President

Subscribed and sworn to before me a Notary Public in and for McPherson County, Kansas this      day of April, 1981.