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# *GEOLOGICAL REPORT*

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*for*



*R.J.M. OIL COMPANY, INC*

No. 6 Hoffman West  
1980' FSL & 1750' FEL  
Section 5-17S-13W  
Barton County, Kansas

15-009-24790-00-00  
1980 FSL 1750 FEL  
E2 NW SE



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05-17-136

OPERATOR: R.J.M. Oil Company, Inc.

WELL: No. 6 Hoffman West  
API # 15-009-24790-00-00

LOCATION: 1980' FSL & 1750' FEL  
Section 5-17S-13W  
Barton County, Kansas

FIELD: Trapp

CONTRACTOR: Vonfeldt Drilling, Inc., Rig No. 1

DRILLING COMMENCED: 03-30-2004

DRILLING COMPLETED: 04-04-2004

DRILLING TIME: One (1) foot drilling time was recorded  
from 2700' to 3393' RTD.

SAMPLES: Samples were saved and examined from 2700'  
to 3393' RTD.

ELEVATIONS: 1900' Ground Level 1905' Kelly Bushing

MEASUREMENTS: All depths are measured from 1905' K.B.

CASING RECORD: 8 5/8" Surface Casing set @ 432' with 235 sxs. 60/40 poz

FORMATION TESTING: Two ( 2 ) tests were run by Superior Testers, Inc.  
Gene Budig, Tester

MUD: Andy's Mud & Chemical (Chemical Mud)  
Andy Werth, Engineer

OPEN HOLE LOGS: No Open Hole Logs were run.

PRODUCTION: D & A

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FORMATION TOPS:

FORMATION	SAMPLE	CORRECTED DEPTH	DATUM
ANHYDRITE	N/A	N/A	N/A
BASE ANHYDRITE	N/A	N/A	N/A
HEEBNER	3049'	3040'	-1135'
TORONTO	3066'	3057'	-1152'
DOUGLAS	3078'	3069'	-1164'
BROWN LIME	3130'	3121'	-1216'
LANSING	3144'	3135'	-1230'
ARBUCKLE	3371'	3362'	-1457'
ROTARY TOTAL DEPTH	3402'	3393'	-1488'

SAMPLE DESCRIPTIONS AND TEST DATA:

(At 3375' drill pipe was strapped and was found to be 9' short to the board. All sample descriptions and test intervals have been corrected up 9'.)

TOPEKA:

3365-3374 Limestone, tan and buff, fine to medium crystalline, slightly fossiliferous, chalky in part, fair intercrystalline porosity, no shows of oil were noted.

TORONTO:

3057-3068 Limestone, gray and tan, dense, chalky, with white chert, finely crystalline, with very poor visible porosity, no shows of oil were noted.

LANSING:

3135-3145 Limestone, gray, tan and white, dense, fossiliferous in part, slightly chalky, poor visible porosity, no shows of oil were noted.

3159-3167 Limestone, gray and cream, oolitic, poorly developed interoolitic and slightly pinpoint porosity, chalky, with dead black staining, no live oil, no odor.

3179-3183 Limestone, tan and gray, very finely crystalline, chalky, with oolitic chert, poor visible porosity, no shows of oil were noted.

3197-3202 Limestone, white, finely crystalline, slightly fossiliferous, chalky, with poor visible porosity, trace of scattered staining, no show of free oil, no odor.

3209-3214 Limestone, buff and tan, oolitic and oolitic, with good visible oolitic porosity, very chalky, no shows of oil were noted.

3269-3275 Limestone, tan and cream, finely crystalline, oolitic and oolitic in part, with fair visible oolitic porosity, barren, slightly chalky, with trace of staining, no show of free oil, no odor.

3307-3312 Limestone, gray, tan and buff, finely crystalline, dense, slightly oolitic, with poor visible porosity, no shows of oil were noted.

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**ARBUCKLE:**

3362-3366 Dolomite, white, fine to medium crystalline, with fair visible intercrystalline porosity, slightly rhombic, with fair show of gassy free oil, light spotted staining, fair odor. (Covered by D.S.T. No. 1)

<b>FORMATION TEST NO. 1</b>			
Arbuckle Tested from 3355' - 3366'			
<i>Weak blow, dying in 9 min.</i>	30 min.	I.H.P.	1711#
<i>No blow-back</i>	30 min.	I.F.P.	30# -30#
<i>No blow</i>	30 min.	<u>I.S.I.P.</u>	<u>172#</u>
<i>No blow back</i>	30 min.	F.F.P.	31# -31#
		<u>F.S.I.P.</u>	<u>65#</u>
		F.H.P.	1689#
RECOVERY:	5' Very Slightly Oil Cut Mud with good show of oil on top		
TEMPERATURE:	100*		
CHLORIDES:	N/A p.p.m. (Recovery), 6,000 p.p.m. (System)		

3367-3370 Dolomite, as above, finely crystalline, with considerable less show of oil, very light odor, very shaley.

3371-3372 Dolomite, white and gray, fine to coarsely crystalline, slightly rhombic, with fair to good visible intercrystalline and slightly pinhole vugular porosity, fair show of free oil on break, fair staining and saturation, fair odor. (Covered by D.S.T. No. 2)

<b>FORMATION TEST NO. 2</b>			
Arbuckle Tested from 3356' - 3372'			
<i>Weak blow, died in 29 min.</i>	30 min.	I.H.P.	1734#
<i>No blow-back</i>	30 min.	I.F.P.	37# -38#
<i>No blow</i>	30 min.	<u>I.S.I.P.</u>	<u>238#</u>
<i>No blow-back</i>	30 min.	F.F.P.	38# -38#
		<u>F.S.I.P.</u>	<u>149#</u>
		F.H.P.	1526#
RECOVERY:	15' Drilling Mud, very slight show of oil in tool		
TEMPERATURE:	100*		
CHLORIDES:	N/A p.p.m. (Recovery), 6,000 p.p.m. (System)		

3373-3385 Dolomite, as above, fine to medium crystalline, with considerable less show of oil, light odor, fair to good visible porosity, as above.

3386-3393 Dolomite, as above, no shows of oil were noted.

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**SUMMARY:**

The No. 6 Hoffman West was under geological supervision from 2700' to 3393 RTD'.  
Due to the negative results of two drill stem tests, it was decided that this well should be plugged  
and abandoned.

Respectfully submitted,

  
Todd E. Morgenstern

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