

Randall Kilian Corporation  
Geologist



**Certified Petroleum  
Geologist #3351  
License #224**

P.O. Box 26  
Hays, Kansas 67601-0026  
Phone: 785-628-6061  
Cell: 785-635-1349

## GEOLOGIST'S WELL REPORT

COMPANY DAMAR RESOURCES, INC. (9067)  
WELL Windholz #1  
FIELD Bemis-Shutts  
LOCATION (legal) Ap. NW NE SE SW  
(1155' FSL & 2080' FWL)  
Section 3 TWP 12 S RGE 17 W  
(Map) 1 mi E & 6 1/4 mi N of Catherine  
COUNTY Ellis STATE Kansas  
ELEVATION: 2135' K.B., 2130' G.L.  
Depths measured from Kelly Bushing  
A. P. I. NUMBER 15-051-26617  
GEOLOGY BY Randall Kilian

## PERTINENT WELL DATA

CONTRACTOR Murfin Drilling Co., Inc (30606)  
RIG #16 HYDRAULICS D-375 6x14x60  
(Andy Dinkel TP)  
DRILL PIPE 4 1/2" X-H COLLARS 6 1/2 17 (505')  
CASING: SURFACE 8 5/8" @ 304' w/ 170 sx Common  
PRODUCTION \_\_\_\_\_  
DRILLING FLUID: COMPANY Andy's Mud & Chemical Co.  
(Rector-Martinez)  
TYPE: Chemical  
REMARKS: Full service  
DRILL STEM TESTS: COMPANY Trilobite Testing Inc.  
(Brannan L.)  
NUMBER OF TESTS Three (3)  
ELECTIC LOGS: COMPANY Pioneer Energy Services  
DETAIL (5") 3000' - RTD  
TYPE DI, Comp N-D, Micro  
DRILLING TIME FROM 3000' TO RTD  
SAMPLE TIME FROM 3000' TO RTD  
SUPERVISION FROM 3000' TO RTD  
VERTICAL DEVIATION 1/4" @ 305', 1" @ 3428', 1" @ TD  
PLUGGING REPORT 50 sx @ 3596', 25 @ 1363', 100 @ 780', 40 @  
354', 10 @ 40', 30 Rat, 15 Mouse, 270 sx 60/40 Poz. Ray Dinkel  
RESERVE PIT 600 bbls., Chl. 78,000 Ca 800

# DAILY REPORT

DATE: **7 a.m.** Depth **RIG ACTIVITY**

10-3-13		MTRU, Spud
10-4-13	375'	Drilling under surface
10-5-13	2250'	Drilling shale & sand
10-6-13	3090'	Drilling Topeka lime
10-7-13	3428'	Drilling LKc lime
10-8-13	3713'	TD, Logging, DST #3
10-9-13	3713'	P&A

## DRILL STEM TESTS

NO	INTERVAL	IFP/TIME	ISIP/TIME	FFP/TIME	FSIP/TIME	IHP/FHP	RECOVERY
1	Top-D 3311- 3428'	35# 47# 5"	602# 60"	55# 106# 60"	546# 90"	1630# 1580#	195' M, wtr w/ s.o.
2	LKc F-L 3421- 3590'	22# 25# 5"	554# 60"	27# 37# 45"	422# 60"	1709# 1693#	40' Mud
3	Arb. 3585- 3648'	22# 23# 5"	543# 60"	25# 32# 50"	182# 45"	1823# 1778#	20' Mud
4							
5							
6							
7							
8							

### MUD RECORD

CHK	DEPTH	WT	VIS	FIL	CHL	YP
1	2908'					
2	3206'	8.8	64	7.2	1.8k	22
3	3290'	8.7	66			
4	3459'	8.9	60	7.2	2k	20
5	3530'	9.0	62			
6	3600'	9.1	67			
7	3713'	9.1	64			
8						
9						
10						
11						

Displaced

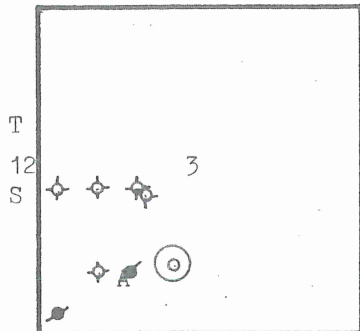
LCM 1#

LCM 1#

### BIT RECORD

NO	SIZE	MAKE	TYPE	DEPTH-OUT	FEET	HOURS
1	12 1/4"	Vare1	CH1GMS	305'	305'	3 1/2
2	7 7/8"	HTCo.	GX20C	3713'	3408'	66 1/2
3						
4						
5						
6						
7						

# FORMATION TOPS & STRUCTURAL GEOLOGY



**REFERRED TO:**

- A: ARBUCKLE OIL CO.
- Windholz #1 Ap. NW SE SW 3
- B: \_\_\_\_\_
- C: \_\_\_\_\_
- D: \_\_\_\_\_
- E: \_\_\_\_\_

STRATIGRAPHIC MARKERS	SUBJECT WELL		STRUCTURAL POSITION					
	SAMPLE	E. LOG	DATUM	A	B	C	D	E
Anhydrite	1343'	1337'	+ 798	+ 790				
Base	1381'	1376'	+ 759	+ 751				
Topeka	3075'	3072'	- 937	- 947				
Heeb. Sh.	3314'	3309'	-1174	-1184				
Toronto	3338'	3330'	-1195	-1208				
Lansing	3358'	3354'	-1219	-1229				
BKc.	3589'	3588'	-1453	-1459				
Arbuckle	3616'	3613'	-1478	-1487				
TD	3713'	3712'	-1577	-1595				

Pipe strap .35' long.

\*Structural position of subject well as compared to referred well.

# SUMMARY

The Windholz #1 well was drilled with Murfin Drilling Co. tools rig #16 beginning 10-3-13 and drilling was completed 10-8-13.

The drill site was located via a 3-D seismic survey. The well is located ap. one location east of a small Arbuckle abandoned producer.

The well ran high to the offset well. Oil shows were encountered in several zones. DST #1 over the Toronto through the LKc D zone was a negative test. DST #2 LKc F-I. was also a negative.

The Arbuckle was encountered 9' high structurally with good oil shows. However, the electric log showed a dirty, ratty Arbuckle dolomite section. DST #3 over the upper 35' of Arbuckle was also negative.

Based upon all data, the well was P&A'ed.

Respectfully,

*Randy*  
Randall Kilian