Robert D. Hendrix
Petroleum Geologist
GEOLOGIST'S REPORT
Mobil Oil Corp. Sunflower Unit #1-5

COMPANY	Mobil Oil Corp.
FIELD	Sunflower Unit
SEC. - TWP. - RGE.	5 - 19S - 25W
COUNTY	Ness County, Kansas
CONTRACTOR	Murfin Drilling Co. Inc. Rig 22
SPUD	9/13/2007
TOTAL DEPTH	4800'
DATE	9/19/2007
ELEVATIONS	KB 2582'
	DF 2580'
	GL 2572'
	From: KCC Form ACO-1
	Kelly Bushing to Ground: 10'

CONTRACTOR COLLAR	3.00'
DRILL PIPE	2579.00'
DRILL COLLAR	217.00'
DRILLING TIME START FROM	3000 TO TD
GAS DETECTOR	Bloodhound Gas Detector
GAS FIGURES REPORTED IN PPM	10 UNITS
DRILLING MUD	Mud Co. Chemical
GEOLOGIST ON WELL	Robert D. Hendrix

ELECTRICAL SURVEYS	DIL	3000 - 4800
	CDL/CNL	3000 - 4800
	MICRO	3000 - 4800

CASING		
	Surface	8 5/8" at 217'
	Production	None

DST		
	Number	None
	Interval	
	Recovery	

MUD UP	3000'	TYPE MUD	Chemical
RTD	4800'	LTD	4798'
CORING	None	CORE DIAMETER	
CORE SAMPLES	None		

SAMPLE TOPS			
Anhydrite	2538'	(+518)	
Base Anhydrite	2560'	(+496)	
Topeka	3776'	(-720)	
Heebner Shale	4000'	(-944)	
Lansing	4041'	(-985)	
Stark Shale	4274'	(-1218)	
BKC	4326'	(-1279)	
Pawnee	4475'	(-1419)	
Fort Scott	4530'	(-1474)	
Cherokee Shale	4559'	(-1503)	
Johnson Zone	4602'	(-1546)	
Mississippian	4662'	(-1626)	
RTD	4745'	(-1689)	
LTD	4798'		

REMARKS:

The multiple positive DST's along with good structural position it is strongly recommended that production casing be set on this well.

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LEGEND

Cuttings | Core | Cable Tools | Drilling Time | Chert | Oolites | Chert | Dolomite

LITHOLOGY

SAMPLE DESCRIPTION

Limestone: white to gray, fossiliferous, soft granular, no oil, pin pt
Shale: green, soft
Shale: red, gray
Limestone: white to gray, fossiliferous, soft granular, no oil
Shale: green, soft, sticky
Limestone: white to brown, fossiliferous, soft granular, no oil
Shale: gray, red, black
Shale: red, gray
Limestone: white to tan, fossiliferous, soft granular, no oil
Limestone: tan to white, fossiliferous, soft granular, no oil
Limestone: brown to gray, fossiliferous, soft granular, no oil
Shale: red, gray
Limestone: white to tan, fossiliferous, soft granular, no oil
Limestone: white, fossiliferous, soft granular, no oil
Limestone: tan to white, fossiliferous, soft granular, no oil
Limestone: tan to white, fossiliferous, soft granular, no oil
Shale: gray, red
Limestone: tan to white, fossiliferous, soft granular, no oil
Shale: gray, black, red
Limestone: tan to white, fossiliferous, soft granular, no oil
Shale: gray, red
Limestone: tan to white, fossiliferous, soft granular, no oil
Limestone: tan to white, fossiliferous, soft granular, no oil
Limestone: tan, fossiliferous, soft granular, no oil
Shale: gray, black, red
Limestone: tan, fossiliferous, soft granular, no oil
Shale: gray, black, red
Limestone: tan, fossiliferous, soft granular, no oil
Limestone: tan, fossiliferous, soft granular, no oil
Shale: gray, red
Limestone: tan to gray, fossiliferous, soft granular, no oil
Limestone: white to tan, fossiliferous, soft granular, no oil
Shale: gray, red
Limestone: tan to gray, fossiliferous, soft granular, no oil
Shale: red, gray
Limestone: tan to white, fossiliferous, soft granular, no oil
Shale: red, gray
Limestone: tan to white, fossiliferous, soft granular, no oil
Shale: gray, red, black
Limestone: tan to white, fossiliferous, soft granular, no oil
Shale: gray, red