

# GEOLOGICAL REPORT

DRILLING TIME  
AND  
SAMPLE LOG

COMPANY **WHITE EXPLORATION INC.**

LEAS **Blackstone # D-5** WELL NO. \_\_\_\_\_

FIELD **ARKYO**

LOCATION **NE SE SW (90° ECL 2310' EWL)**

SECTION **28 TOWNSHIP 29 S RANGE 41 W**

COUNTY **STANTON STATE KANSAS**

CONTRACTOR **MURFIN DRILLING** PIG # **22**

COMPLETED DRILLING **2/11/12 (2:30 PM)**

RTD **5485' FEET** LTO **5485' FEET**

MUD UP AT **3580' FEET** MUD TYPE **CHEMICAL**

SAMPLES SAVED FROM **4200' FEET** TO **5485' FEET**

DRILLING TIME KEPT FROM **4200' FEET** TO **5485' FEET**

SAMPLES EXAMINED FROM **4600' FEET** TO **5485' FEET**

GEOLOGICAL SUPERVISION FROM **4800' FEET** TO **5485' FEET**

GEOLOGIST **TOM G. ROBINSON**

NOTES **No Cores or Tests**

**No gas Detectors**

**Tool pusher: Kelly Wilson**

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SCALE **5" = 100'** **4600' - 5485'**

**PDC bit tip @ 5200'**

**4**

**28**

ELEVATIONS

KR **3414' FEET**

DT **3403' FEET**

GL \_\_\_\_\_ FEET

MEASUREMENTS ARE ALL FROM **KR**

CASING **5 1/2" set of 1436'**

**Dry: Abandon**

**KOF TECH**

**Dual Induction**

**Neutron - Density**

**TO - 3000'**

**TO - 3000'**

LITHOLOGY	DEPTH	DRILLING TIME (Logarithmic Scale)	LITHOLOGIC DESCRIPTION <small>LITHOLOGY NOT ADVISED FOR LOG</small>	REMARKS
			<b>Daily Progress:</b> 2-10-12 spud (7:30 PM) 2-11-12 451' 2-12-12 WOC 2-13-12 1639' 2-14-12 2336' 2-15-12 3579' 2-16-12 4672' 2-17-12 5319' TO 5485 (2:30 PM) 2-18-12 5485' Finished log 6:00 AM	<b>MURFIN RIG # 22</b> Tool pusher: Kelly Wilson Using PDC bit to 5200'  A/A = as above
	4600		ls, wh, buff, p. soft, clean	
	50		ls, A/A - tan ss, cl. glauc	
	4700		ls, A/A, wh, p. chalky, clean  more sh, qry-blk	<b>MUD @ 4672'</b> wt: 9.2 vis: 41 Filt: 7.2 Chlorides: 300 LCM: 11#
	50		ls, tan, dense, hd, clean  sh, qry-blk	
	50		ls, buff-tan, p. chalky, dense clean. smc lg, buff-wh, A/A	
	50		sh, red, cavinas ls, brn, p. wh, hd: sh, blk	
	50		ls, buff-tan, clean w/ sh, qry-blk	
	4800		ls, tan - it brn, dense	
	4800		ls, A/A w/ sh, qry-blk	
	50		ls, tan-brn, smc spk'd, dirty w/ sh, A/A	
	50		ls, mostly brn, dense w/ sh, blk	
	4900		ls, buff-tan, clean, dense & ls, qry, dk, dense sh, moogy qry	
	50		ls, A/A w/ sh, blk	
	50		sh, qry-blk w/ smc ls, A/A	
	50		sh, speckled: sh, blk smc ls, tan, A/A	
	5000		sh, qry-dk brn-blk	
	50		sh, qry-blk, smc ls, tan dense + ls, spk'd dense	
	50		ls, buff-tan-brn, dense & sh, A/A	
	50		sh, qry-blk w/ ls, tan- crm, dense, smc clean	
	50		sh, blk, tr. ls, A/A	
	50		moogy sh, blk	
	50		sh, qry-blk, A/A	<b>Trip out w/ PDC bit replaced w/ regu. bit.</b>
	50		sh, blk	
	50		ls, dm-tan, dense, clean w/ sh, A/A	<b>MUD @ 5319'</b> wt: 9.2 vis: 52 Filt: 7.2 Ch: 300 LCM: 11#
	50		SS, s/- qry, tan, m-crse qrn w/cem, subang-subrd, v. fine dsc qrn rd, clusters. No strn, odor, fluor or cut	
	50		Mostly blk sh w/ smc scat ss, m-crse qrn, N-S	
	50		(5290-5410 samples) SS-cl-tan, clusters, w/cem f-m qrn, spks glauc-toprite it scat strn (dry sample) NO odor, fluor and v. wk cut.	
	50		ls, wh, qrn, dense, clean hard	
	50		ls, A/A, wh, clean, dense	
	50		ls, A/A wh, it qrn, purple	<b>CFS: 1 hour</b>
			<b>Total Depth: Rig 5485' Log: 5485'</b>	

Samples generally good from 4600' to total depth. Rig crew were very good. Tool pusher was on location most of the time. Geologist on location from 4800' to total depth. No shows were observed worthy of a completion - log confirms a dry hole.  
*Tom G. Robinson*

ATOKA SH 4808-1394

MORROW SH 4964-1550

L. MRW MKR 5294-1880

Keyes sd 5379-1963

Miss (STOEN) 5405-1991