

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOGS

COMPANY Hawwell Dr. Co., Inc.

LEASE Dole #4

FIELD Buckhorn

LOCATION E. 1/4 Sec. 11E, T14N, R10E

SEC. 15 TWP. R3S RGE. 4W

COUNTY Rock STATE KS

CONTRACTOR McWhorter Drilling-Rock

SPUD 9/16/49 COMP. 9/22/49

RTD 3530 LTD. 3531

MUD UP 2500 TYPE MUD slm

SAMPLES SAVED FROM 3120

DRILLING TIME KEPT FROM 2420

SAMPLES EXAMINED FROM 3120

GEOLOGICAL SUPERVISION FROM 2400

GEOLOGIST ON WELL Michael R. Kidwell

FORMATION TOPS

LOOS

SAMPLES

3000-45
3210-1791
3268-1924
Miss

3531-2058

RTD

3531-2058

RTD

3531-2058

RTD

ELEVATIONS

K9 1479

DF 1467

GL 1467

Measurements are all from KB

CASINGS

PRODUCTION 5120-300

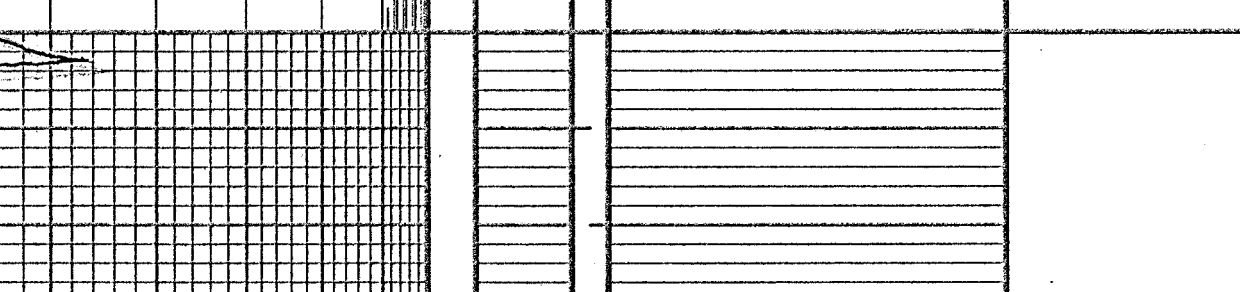
EL ELEVATION SURVEYS

Comp. on

Jan 1

REMARKS

LEGEND



SCALE " = 100'

DEPTH	DRILLING TIME IN MINUTES PER FOOT Rate of Penetration Increases	LITHOLOGY	SAMPLE DESCRIPTIONS	REMARKS
2400				
2500				
2600				
2700				
2800				
2900				
3000				
3100				
3200				
3300				
3400				
3500				
3530				
3531				
3532				
3533				
3534				
3535				
3536				
3537				
3538				
3539				
3540				
3541				
3542				
3543				
3544				
3545				
3546				
3547				
3548				
3549				
3550				
3551				
3552				
3553				
3554				
3555				
3556				
3557				
3558				
3559				
3560				
3561				
3562				
3563				
3564				
3565				
3566				
3567				
3568				
3569				
3570				
3571				
3572				
3573				
3574				
3575				
3576				
3577				
3578				
3579				
3580				
3581				
3582				
3583				
3584				
3585				
3586				
3587				
3588				
3589				
3590				
3591				
3592				
3593				
3594				
3595				
3596				
3597				
3598				
3599				
3600				

COMPANY _____ LEASE _____ LOCATION _____ SEC _____ TWP _____ RNG _____ COUNTY _____ STATE _____ ELEVATION: _____