

Item X

PAULEY PETROLEUM COMPANY
PAULEY UNION STATE NO. 1
660' FNL & 1980' FEL
SEC 16, T 7 S, R 33 E
ROOSEVELT COUNTY, NEW MEXICO
4414' KB

GEOLOGIC REPORT PREPARED
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PAULEY UNION STATE NO, 1

660' FNL & 1980' FEL SEC 16, T7S, R33E

4414'KB

TOP OF THE SAN ANDRES AT 3352'

SAN ANDRES PI MAKER AT 3890'

4414
3352
+1062
4

10-19 to 10-22-81

BIT NUMBER 4 SMITH HTC

CASING SET AT 3922' 8 5/8"

WOB 50,000	WEIGHT 10.2
RPM 50-55	VIS 29-32
PP 1,000	PH 8-9.5
	C 3
	CL 150,000-155,000
	OIL 2%

DEVIATION SURVEY AT 3860' OF 3/4°.

AUTOMATIC DRILLER DID NOT WORK PROPERLY FROM 3,000 to 3,200'.

10-19-81 443 feet drilled
10-20-81 250 feet drilled
10-21-81 230 feet drilled
10-22-81 205 feet drilled
10-23-81 52 feet & SET CASING

DETAILED DESCRIPTION OF SAMPLES BY KEN BRYANT FROM 3000' to 3922'
 AT 10 FOOT INTERVALS.

3000' to 3200'	10% LS	WH VFX SM CHLKY
	90% SH	RD RD-BN FM-SFT SLTY IP SL CALC
3200' to 3270'	90% SH	RD RD-BN FM-SFT SLTY IP SL CALC
	10% ANHY	MLKY WH CLR XLN
3270' to 3330'	10% SS	CLR RD FG SM FRI SUB-RND WELL SORTED SHLY IP
	80% SH	RD RD-BN RM-SFT SLTY IP SL CALC
	10% ANHY	MLKY WH CLR XLN
3330' to 3340'	100%SH	RD RD-BN FM-SFT SLTY IP SL CALC
3340' to 3360'	10% DOL	TN GY FX DNS SL SUCRO
	80% SH	AA
	10% ANHY	MLKY WH CLR XLN
3360' to 3370'	30% DOL	TN GY FX DNS SL SUCRO
	50% SH	RD RD-BN FM-SFT SLTY IP SL CALC
	20% ANHY	MLKY WH CLR XLN
	TR LS	WH VFX CHLKY
3370' to 3380'	100%DOL	TN GY FX DNS SL SUCRO
3380' to 3420'	80% DOL	TN GY FX DNS SL SUCRO
	20% ANHY	MLKY WH GLR XLN
	TR LS	WH VFX CHLKY
3420' to 3440'	70% DOL	TN GY FX DNS SL SUCRO
	30% ANHY	MLKY WH CLR XLN
3440' to 3480'	80% DOL	TN VFX TR VUG POR
	20% ANHY	WH MLKY CLR XLN
3480' to 3490'	70% DOL	TN VFX TR VUG POR
	30% ANHY	WH MLKY CLR XLN
3490' to 3500'	60% DOL	TN VFX TR VUG POR
	10% SH	RD RD BN FM-SFT SLTY IP SL CALC
	30% ANHY	MLKY WH CLR XLN
3500' to 3530'	50% DOL	TN GY FX DNS SL SUCRO
	50% ANHY	MLKY WH CLR XLN
3530' to 3620'	30% DOL	TN GY FX DNS SL SUCRO
	70% ANHY	MLKY WH CLR XLN
3620' to 3690'	20% DOL	TN GY FX DNS SL SUCRO OOL
	80% ANHY	MLKY WH CLR XLN

DESCRIPTION -CONTINUED

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3690' to 3720'	30% DOL	TN GY FX DNS SUCRO ABNDT OOL
	70% ANHY	MLKY WH CLR XLN
3720' to 3740'	50% DOL	TN GY FX DNS SL SUCRO ABNDT OOL
	50% ANHY	MLKY WH CLR XLN
3740' to 3780'	70% DOL	TN GY FX DNS SL SUCRO ABNDT OOL
	30% ANHY	MLKY WH CLR XLN
3780' to 3830'	100% DOL	TN DY FX DNS SL SUCRO
3830' to 3860'	80% DOL	TN VFX 10% YEL FLU POOR CUT
	20% ANHY	MLKY WH CLR XLN
3860' to 3920'	100%DOL	TN VFX 20% YEL FLU GOOD CUT

THERE WERE ABUNDANT SHALE CAVINGS PRESENT THROUGHOUT

IF WE CAN BE OF ANY FURTHER SERVICE IN THE EVALUATION OF THIS PORTION OF THE WELL DO NO HESITATE TO CALL ME AT 505-885-6005 or 505-885-0397 AT ANY TIME. WE APPRECIATE THE OPPORTUNITY TO WORK WITH YOU IN THE EVALUATION OF THIS WELL AND LOOK FORWARD TO WORKING WITH YOU AGAIN SOON.

YOURS TRULY,



KEN BRYANT

800 E. FIESTA

CARLSBAD, NEW MEXICO 88220

505-885-6005