



CORE ORIENTING LOG

Date June 22, 1972
 Page one of one

WELL INFORMATION
 Company: Basin Petroleum Company
 Contractor: Signal Drilling Co.
 Well Name: Richards #1
 County: Jackson State: Colorado
 Hole Size: 7-7/8 Core Barrel:
 Formation Name: Pierre Shale
 Formation Description: Sand - Shale



PERFORMANCE
 Interval Cored: Finish 3757 Start 3737
 Footage Cored: 20'
 Remarks: Good scribe marks and good pictures

MULTISHOT INSTRUMENT
 Make: Eastman Oil Well
 Serial No. #1105 & #305
 Clock Interval: Four Min.
 Station Record By: Scheafer - Dilsaver
 Film Read By: Scheafer - Dilsaver

CORRECTIONS
 Declination 14 Degrees East West
 Azimuth Correction for Declination
 East Declination Add to Azimuth
 West Declination Subtract from Azimuth
 Reference Groove Correction:
 From Above, Groove is 39 Degrees Right Left
 of Orientation Lug.
 Right Add to Lug Azimuth
 Left Subtract from Lug Azimuth

STATION			DRIFT				ORIENTATION						DIP, STRIKE			REMARKS	
No.	Time	Picture No.	Depth	Angle	Direction		Orienting Lug, Magnetic		Declin. Corr.	Or. Lug Az. True	Reference Groove			Dip Dir.	Dip Angle		Strike
					Magnetic	True	Direction	Azimuth			Corr.	Az. True	Direction True				
	4-244-28	66-67	3739	18°	N52E	N66E	N84W	276	+14	290	+39	329	N31W	S12W	64	S78E N78W	(3739')
	5-005-04	75-76	3741	18°	N52E	"	West	270	"	284	"	323	N37W	S18W	52	S72E N82W	(3742')
	5-445-48	86-87	3743	18°	N52E	"	N83W	277	"	291	"	330	N30W				
	6-246-28	96-97	3745	18°	N52E	"	N82W	278	"	292	"	331	N29W	S12W	60	S72E N82W	(3746')
	7-007-04	105-106	3747	18°	N52E	"	N80W	280	"	294	"	333	N27W				
	7-367-40	114-115	3749	18°	N52E	"	N75W	285	"	299	"	338	N22W	S15W	52	S74E N74W	(3748')
	8-128-16	123-124	3751	18°	N52E	"	N72W	288	"	302	"	341	N19W				
	8-569-00	134-135	3753	18°	N52E	"	N69W	291	"	305	"	344	N16W	S08W	60	S81E N81W	(3752')
	9-369-40	144-145	3755	18°	N52E	"	N67W	293	"	307	"	346	N14W				
	10-1210-16	153-154	3757	18°	N52E	"	N63W	297	"	311	"	350	N10W	S20W	59	S70E N70W	(3756')

3 4 5 6 7 8 9 10 11 12 13 15