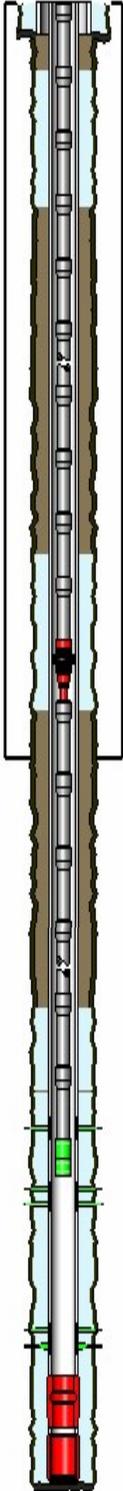


KERR-MCGEE OIL AND GAS ONSHORE LP
HARKIS 3
NWSE NW 2 2N 65W 1,430' FNL 1,650' FWL
WELD,COLORADO
03/09/2015

AREA: E2 ROUTE: E24 Spud: 10/23/1981 WINS No.: 88429 AFE/WO#: 88643897 API#: 0512310443

GL: 4843 KB: 4853 MTD: 7820 TVD: 7820 LOG MD: PBMD: 7777 PBTVD: 7777

Directions: CR 22 & CR 41, E 2 8/10, N 1 7/10, W 7/10, N INTO.



<u>HOLE SECTIONS</u>		<u>Size</u>	<u>Top</u>	<u>Btm</u>	<u>TD Date</u>				
SURFACE		12.25	20	242	10/25/1981				
PRODUCTION		7.88	20	7797	03/09/1981				
<u>TUBULARS</u>		<u>Tool Type</u>	<u>Joints</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Thread</u>	<u>Top D</u>	<u>Bottom D</u>
8 5/8 IN CASING		Casing	6	8.63				10	232
4 1/2 IN CASING		Casing	263	4.50	11.60	K-55	LTC	10	7742
		Float Collar	1					7742	7743
		Casing	1	4.50	11.60	K-55	LTC	7743	7778
		Casing Shoe	1					7778	7779
PRODUCTION TUBING		Tubing	143	2.38	4.70	J-55	External-Ups	10	4512
		Packer	1					4512	4518
		Tubing	79	2.38	4.70	J-	EUE	4518	7011
		XN Profile Nipple	1	2.38				7011	7013
		Notched Collar	1	2.38				7013	7013
<u>CEMENT JOBS</u>		<u>Stage</u>	<u>Sacks</u>	<u>Cement Jobs</u>		<u>Top D</u>	<u>Btm D</u>	<u>cbl</u>	
8 5/8 IN CASING		PRIMARY	180	LEAD	CEMENT	10	232	No	
4 1/2 IN CASING		PRIMARY	225	LEAD	50/50 POZMIX	6830	7779	No	
		SQUEEZE JOB	150	LEAD	PREMIUM	6300	6814	No	
4 1/2 IN CASING		ONE INCH JOB				482	1460	No	
4 1/2 IN CASING		ONE INCH JOB				3900	4580	No	
<u>PERFORATIONS</u>		<u>Formation</u>	<u>Zone</u>	<u>Top</u>	<u>Btm</u>	<u>Date</u>	<u>Reason</u>	<u>Comments</u>	
		NIOBRARA A		6890	6900	09/10/1993	PRODUCTION		
		NIOBRARA B		6982	6989	09/10/1993	PRODUCTION		
		NIOBRARA C		7004	7010	09/10/1993	PRODUCTION		
		CODELL		7040	7046	08/10/1992	PRODUCTION		
		J SAND		7622	7624	10/30/1981	PRODUCTION		

Comments: