Schlumberger FI REPORT

TYPE OF SERVICE: OH DST | DATE: 04-AUG | DISTRICT: HOBBS

WELL OWNER: COLLINS & W INCORPORATED | SERVICE ORDER NUMBER: 123691

REPORTS ADDRESS:

WELL NAME & NO.: BIX-SHOOTER "13" FEDERAL #1 | FIELD: QUAIL RIDGE | LEASE:

LOCATION: 813T208R33E | COUNTY: LEA | STATE: NEW MEXICO

☐ ONSHORE ☐ OFFSHORE ☐ INLAND WATERS ☐ WILDCAT ☐ DEVELOPMENT ☐ PRODUCTION

TEST NO. THREE | TEST INTERVAL FROM 13010 FT TO 13099 FT = 89 FT

SURFACE DATA

DESCRIPTION	DATE	TIME OF DAY	PRESS PSIG	SURFACE CHOKE	CHOKE IN/64
SET PACKERS	04-AUG	21:16			
START FLOW WEAK BLOW 1/8"		21:20	0		
BUBBLE HOSE, LESS THAN 1"			0		
END FLOW & START SHUTIN		21:36	0		
END SHUTIN		22:36	0		
START FLOW W/WEAK BLOW		22:37	0		
1"DEEP IN BUCKET		22:42	0		
2"DEEP IN BUCKET		22:47	0		
		22:52	5OZ.		
		22:57	5OZ		
		23:02	6OZ.		
END FLOW & START SHUTIN		23:07	7OZ		
END SHUTIN	05-AUG	00:07			
START FLOW 1/8" B.H.		00:38	4:OZ		
		00:48	6OZ		
		00:58	8OZ		
		01:08	14OZ		
		01:18	18OZ		
CHANGED GAUGE AT SURFACE		01:38	22OZ		
		01:48	10#		
		01:58	18#		
GAS TO SURFACE 02:13		02:08	22#		
CHANGED CHOKE 1/8"TO 1/4"		02:18	35#		
LOST PKR SEAT FILL HOLE		02:20	40#		
END FLOW & START SHUTIN		02:23			
PULLED LOOSE BLEED GAS		03:03			
FROM DRILL PIPE WAIT FOR					
DAY LIGHT TO PULL PIPE					

CUSHION	LENGTH	AMOUNT	SURFACE PRESS	CUSHION TYPE	POT. CHOKE SIZE
	3016 ft			WATER	0.94

EQUIPMENT SEQUENCE

COMPONENTS	SERIAL#	OD	ID	LENGTH	DEPTH
DRILL PIPE		5.00	4.276	12227	
DRILL COLLARS		6.25	2.25	628	12:69
REVERSE CIRCULATING SUB		6.25	2.25	1	12817
DRILL COLLARS		6.25	2.25	149	12818
CROSS OVER		6.25	2.25	.95	12967
H.F.E.		5.00	0.94	9.90	12968
BYPASS		5.00	1.18	3.26	12978
RECORDER ELECTRONIC		4.75	1.18	5.88	12981
HYDRAULIC JAR		4.75	1.875	7.90	12987
SAFETY JOINT		4.75	2.00	2.52	12995
PACKER		8.00	1.50	5.95	13003
PACKER		8.00	1.50	6.37	13009
PERFORATED ANCHOR		5.75	3.00	10.05	13011
CROSS OVER		6.25	2.25	1.66	13020
DRILL COLLARS		6.25	2.25	59	13022
CROSS OVER		6.25	2.25	0.95	13081
PERFORATED ANCHOR		5.75	3.00	5.05	13088
RECORDER		5.75	1.18	6.20	13087
RECORDER		5.75	1.18	6.20	13095
TOTAL DEPTH					13099

WELL BORE DATA

FORMATION TESTED: MORROW

NET PRODUCTIVE INTERVAL: 23 ft | EST POROSITY: 7 %

ELEVATION: 3825 ft | DEPTH MEASURED FROM: KB

TOTAL MEASURED DEPTH: 13099 ft

O.H. SIZE: 8.50 in

CASING SIZE: 9.625

LINER SIZE:

PERF INTERVAL FROM: ft TO: ft

SHOT DENSITY:

TOTAL SHOTS: OVER/UNDER BALANCE PRESS: psi

SAMPLER DATA

RECOVERY		RESISTIVITY		CHL CONTENT
CU. FT. GAS	0	RECOVERED WATER @ °F		PPM
C. OIL	0	RECOVERED MUD @ °F		
C. WATER	0	REC. MUD FILTRATE @ °F		142000 PPM
C. MUD	2500	PIT MUD @ °F		
GRAVITY °API °F		PIT MUD FILTRATE @ °F		142000 PPM
O.H. CU. FT/BBL		SAMPLER PRESSURE		

INSTRUMENT DATA

INSTRUMENT NO.	20240	9200-1975	9200-1979	
CAPACITY (PSIG)	10000	9000	9000	
DEPTH	12861	13087	13093	
TUBE OUTSIDE	IN	IN	OUT	
CLOCK CAP	BATTERY	48 HR.	48 HR.	
TEMPERATURE °F			180	
HYD. PSIG		clock did	5806	
FLOW PSIG		not work.	429-1427	
PSIG		I hand full	5533	
FLOW PSIG		of rust was	375-1357	
IST PSIG		found in	5039	
FLOW PSIG		the chart	357-1448	
PSIG		barrel.	test failed	
HYD. PSIG			5860	

MUD DATA

MUD TYPE: POLY PAC/XCD | MUD WT: 10 #/gal

VISCOSITY: 37 | WATER LOSS: 12 cc

RESISTIVITY OF MUD @ °F

OF FILTRATE @ °F

CHORIDES: 142000 PPM

H_2S DURING TEST: NONE PPM

REMARKS:

THIS DST WAS MECHANICALLY SUCESSFUL UNTILL THE LAST FEW MINUTES OF THE FINAL FLOW WHEN THE PACKER SEAT GAVE WAY, THE TESTED INTERVAL FLOWED A SLIGHT AMOUNT OF GAS INTO THE DRILL STEM. ESTIMATED GAS FLOW RATE OF 1.87 MCF/HR.

RECOVERY DESCRIPTION	FEET	BBLS	% OIL	% WATER	% CUSHION	% MUD	% OTHER	API GRAV	RESIST	CHL PPM
reversed out								°F	°F	
water cush.								°F	°F	
and some gas								°F	°F	
								°F	°F	
								°F	°F	
								°F	°F	
								°F	°F	
								°F	°F	
								°F	°F	
								°F	°F	

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SCHLUMBERGER ENGINEER/TECHNICIAN (PRINT): G.D. BROOKS