

FIELD REPORT

Schlumberger

TYPE OF SERVICE
OPEN-HOLE DBT

DATE
30-MAY-1991

DISTRICT
H0889

WELL OWNER: COLLINS & WARE, INC.

SERVICE ORDER NUMBER: 129299

REPORTS ADDRESS:

WELL NAME & NO.: LINCOLN FEDERAL UNIT #1

FIELD: UND. BILBERRY

LEASE:

LOCATION: 826T218R32E

COUNTY: LEA

STATE: NM

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

TEST NO. TWO TEST INTERVAL FROM 14783 FT TO 14953 FT = 176 FT
14965 182

SURFACE DATA						EQUIPMENT SEQUENCE					
DESCRIPTION	DATE	TIME OF DAY	PRESS PSIG	SURFACE CHOKER	PRESS IN-H-O	COMPONENTS	SERIAL#	OD	ID	LENGTH	DEPTH
SET PACKERS	30-MAY	03:11				DRILL PIPE		3.50	2.80	13885	
START FLOW		03:12	0			DRILL COLLARS		4.75	2.00	790	
good blow on 1/8" choke		03:17	10 oz			REVERSE SUB		4.75	2.25	0.75	
END FLOW & START SHUTIN		03:27	24 oz			DRILL COLLARS		4.75	2.00	60	
END SHUTIN		04:52	24 oz			CROSSOVER		4.75	2.25	0.50	
START FLOW		04:53	3 oz			MULTI-FLOW EVALUATOR		5.00	0.94	9.90	14746
strong blow on 1/8" choke		05:29	3 "			OPEN-HOLE BYPASS		4.75	1.80	3.25	
1 = psi		05:59	4.5 "			RECORDER (ELECTRONIC)		4.75	0	5.90	14759
		06:29	5.1 "			HYDRAULIC JAR		4.75	1.80	7.52	
END FLOW & START SHUTIN		06:59	5.5 "			SAFETY JOINT		4.75	2.25	1.98	
blow down on 1/2" choke						5 1/2" PACKER		5.50	1.00	4.59	14778
END SHUTIN		10:59				5 1/2" PACKER		5.50	1.00	5.34	14783
START FLOW on 1/4" choke		11:00	45 "			PERFORATION		4.75	2.25	3.89	
cushion to surface		11:26	80 "			CROSSOVER		4.75	2.25	0.99	
flowing on 1/2" choke		11:30	130 "			DRILL COLLARS		4.75	2.00	154	
gas to surface @ 900 mcf		12:00	625 "			CROSSOVER		4.75	2.25	0.65	
flowing on 1/4" choke		12:30	170 "			PERFORATION		4.75	2.25	10.01	
		13:00	35 "			RECORDER J200-1975		4.75	0	5.91	14953
		14:00	42 "			RECORDER J200-487		4.75	0	6.56	14959
		15:00	38 "								
		16:00	16 "								
fluid to surface		17:00	80 "								
gas to surface @ 649 mcf		18:00	440 "								
END FLOW & START SHUTIN		19:00	130 "								
blow down on 1/2" choke											
END SHUTIN	31-MAY	02:00									
Pulled Loose		02:10									

CUSHION	LENGTH	AMOUNT	SURFACE PRESS	CUSHION TYPE	BOT. CHOKER SIZE	WELL BORE DATA					
	7300 ft			WATER	0.94	FORMATION TESTED	MORROW				

SAMPLER DATA						WELL BORE DATA					
RECOVERY	RESISTIVITY	CHL CONTENT	NET PRODUCTIVE INTERVAL	12	ft	EST POROSITY	10	%			
CU. FT. GAS	7.36	RECOVERED WATER	2 @ 60	°F	25000	PPM	ELEVATION	3735	ft	DEPTH MEASURED FROM	KB
C.C. OIL		RECOVERED MUD	@	°F			TOTAL MEASURED DEPTH	14965	ft		
C.C. WATER	1350	REC. MUD FILTRATE	@	°F			O H SIZE	6.00	in		
C.C. MUD		PIT MUD	.075 @ 60	°F			CASING SIZE				
GRAVITY °API	°F	PIT MUD FILTRATE	@	°F	153000	PPM	LINER SIZE				
G O R CU. FT/BBL.		SAMPLER PRESSURE	1925	psig			PERF INTERVAL FROM	ft	TO	ft	
							SHOT DENSITY				
							TOTAL SHOTS		OVER/UNDER	BALANCE PRESS	psi

INSTRUMENT DATA						MUD DATA					
INSTRUMENT NO.	STABURST	J200-1975	J200-487			MUD TYPE	SALT GEL/CHEM.	MUD WT	10.5	#/gal	
CAPACITY (P.S.I.G.)	10000	9000	9000			VISCOSITY	37	WATER LOSS	8.4	CC	
DEPTH	14759	14953	14959			RESISTIVITY: OF MUD	.075 @ 60	°F			
INSIDE-OUTSIDE	IN	IN	OUT			OF FILTRATE	@	°F			
CLOCK CAP	BATTERY	48 HOUR	48 HOUR			CHLORIDES	159000	PPM			
TEMPERATURE °F		210	210			H ₂ S DURING TEST	0	PPM			
HYD. P.S.I.G.		8291	8286			REMARKS:					
FLOW P.S.I.G.		3457-3512	3487-3541			THIS DRILL STEM TEST WAS MECHANICALLY SUCCESSFUL.					
S.I. P.S.I.G.		6028	6059			THE TESTED INTERVAL FLOWED A MAXIMUM OF 900					
END FLOW P.S.I.G.		3675-4182	3724-4216			MCF/DAY GAS TO SURFACE. 34 BBL OF FORMATION WATER					
END S.I. P.S.I.G.		5883	5913			WAS RECOVERED IN THE DRILL STRING, THANK YOU FOR					
FLOW P.S.I.G.		4127-2387	4162-3012			USING SCHLUMBERGER.					
S.I. P.S.I.G.		5684	5695								
HYD. P.S.I.G.		8291	8322								

RECOVERY DESCRIPTION	FEET	BBLs	% OIL	% WATER	% CUSHION	% MUD	% OTHER	API GRAV	RESIST	CHL PPM
FORMATION	5300							°F	°F	
WATER		34						°F	.25 @ 60	40000
								°F	°F	
GAS CUT	270							°F	°F	
DRILL MUD		2						°F	.075 @ 60	159000
								°F	°F	
								°F	°F	
								°F	°F	
								°F	°F	
								°F	°F	
								°F	°F	
								°F	°F	

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SCHLUMBERGER ENGINEER/TECHNICIAN (PRINT)

MIKE FRALEY