

PROPOSED WELL PLAN OUTLINE

WELL NAME: LOCKHART B NO. 9

COUNTY: LEA

LOCATION: 1980' FSL & 660' FWL
Sec. 13, T-21S, R-36E

STATE: NM

EST. KB: 3550'

EST. GL: 3538'

DEPTH	FORMATION TOPS & TYPE	DRILLING PROBLEMS	TYPE OF FORMATION EVALUATION	HOLE SIZE (IN)	CASING		(PPG) FRACTURE GRADIENT	(PPG) FORMATION PRESSURE GRADIENT	MUD	
					SIZE (IN)	DEPTH (FT)			(PPG) WEIGHT	TYP
	Pleistocene SS. Water SS.	Surface 150-250'	Geolograph Deviation 0-TD							
1000										
	Rustler Anhy. Salado Salt	1320' 1420'		12-1/4	24# K-55 STC 8-5/8	1375'	12.0- 13.0	8.3- 8.5	8.5- 9.0	SPUD
2000		Possible lost circ.								
	Base Salt	2560'	DLL-GR 2" & 5" Scales 2500'-3830'							
	Yates SS.	2730'	FDC-CNL-GR-CAL 2" & 5" Scales 2500'-3830'							
3000			PDC 2700'-3830'							
	Seven Rivers Dolo.	3010'								
	Queen SS.	3500'								
	Penrose SS.	3590'								
	Grayburg Dolo. TD	3780' 3830'		15.5# K-55 STC						
4000				7-7/8	5-1/2	3830'	13.0- 14.0	Less Than 8.5	9.0-	Salt

WELL NAME LOCKHART B NO. 9 FIELD N.M.F.U. DATE 1/30/80
 AFE NO. ELEV. EST. GRD 3538' KB 3550' PROPOSED TD 3830'
 LOCATION (SURF.) 1980' FSL & 660' FWL OF SEC 13 T 21S R 36E
 COUNTY LEA STATE NM SPACING
 LOCATION (BOTTOM HOLE) SAME AS SURFACE

GEOLOGICAL ESTIMATES

<u>ZONE</u>	<u>TOP</u>	<u>THICKNESS</u>	<u>CONTENT</u>	<u>ZONE</u>	<u>TOP</u>	<u>THICKNESS</u>	<u>CO</u>
WATER SS.	150'-250'		Fresh water				
RUSTLER ANHY.	1320'		-				
SALADO SALT	1420'		-				
BASE SALT	2560'		-				
YATES SS.	2730'		O,W,G				
SEVEN RIVERS DOLO.	3010'		O,W,G				
QUEEN SS.	3500'		O,W,G				
PENROSE SS.	3590'		O,W,G				
GRAYBURG DOLO.	3780'		O,W,G				

<u>CORING NO.</u>	<u>TYPE</u>	<u>HORIZON</u>	<u>INTERVAL FROM-TO</u>	<u>FOOTAGE</u>	<u>REMARKS</u>
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NONE

DRILL STEM TESTS

<u>NUMBER</u>	<u>HORIZON</u>	<u>NUMBER</u>	<u>HORIZON</u>	<u>NUMBER</u>	<u>HORIZON</u>	<u>NUMBER</u>	<u>HORIZON</u>
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NONE

WATER SHUT OFF TESTS

WELL SURVEYS (List types by code numbers as follows: Directional and/or Deviation (1) Deflection (2) Caliper (3) Temperature (4) Electrical (5) Radio-active (6) Geolograph (7) Photoclinometer (8) Mudlogging (9) Other (10) and name of that type.)

<u>DEPTH POINTS</u>	<u>TYPE</u>	<u>HOLE SIZE</u>	<u>REMARKS</u>
0'-3830'	(1) Deviation	12-1/4" & 7-7/8"	One every 250' to base of salt One every 500' thereafter
0'-3830'	(7) Geolograph	12-1/4" & 7-7/8"	
2500'-3830'	(5) DLL-GR	7-7/8"	2" & 5" Scales
2500'-3830'	(6) FDC-CNL-GR-CAL.	7-7/8"	2" & 5" Scales
2700'-3830'	(6) PDC (GR-COLLAR)	5-1/2" Casing	Depth Control
0'-3830'	(4) Temperature	5-1/2" Casing	Determine top of cement, if necessary

FUEL AND WATER (SOURCE)

Conoco to furnish water.
 Contractor to furnish fuel.