

Operators Log of White Mangels State#1
S.W. $\frac{1}{4}$ Sec.32 T.4N. R 3W.

Surface to 15' conglom
15' to 27' Adobe
27' to 35 Brown Lime
35' to 42' Verigated Shale
42' to 54' Yellow Shale
54' to 63' Grey Lime (hard)
63' to 70' Limeshella and yellow shale
70' to 78' Grey Lime
78' to 83' Sand rock
83' to 85' Red bed (shale)
85' to 94' Blue Lime broken with red bed
94' to 98' Grey Lime (very hard)
98' to 105' Verigated Lime(v.H.)
105' to 137' Red bed(Shale)
137' to 144' Olive Brown Lime
144' to 150' Yellow Shale
150' to 154' Verigated Lime(V.H.)
154' to 161' Granite wash (Extremely Hard)
161' to 176' Verigated Lime Conglomerate
176' to 182' Olive Green Lime (E.H.)
182' to 185' Grey Lime with shale breaks
185' to 187' Conglomerate
~~187' to 188' Blue Grey Shale~~
187' to 188' Blue Grey Shale
188' to 201 Granite (Bottom)

Forrest B.White
Box 153
Socorro N.M.

SAMPLE DESCRIPTION

PAGE

DESCR. BY R.C.N.

DATE

~~VALLANT PRINTING CO. ALBANY, N.Y. 12204~~

COMPANY					WELL NO.		LEASE				COUNTY				STATE		
WHITE - MANGELS					1		STATE				SAGARRO				N.M.		
DEPTH		ANNY.	POLY.	SALT	NON-RED SHALE		RED SHALE		SANDSTONE		GRANITE WASH		DOLOMITE		LIMESTONE		MISCELLANEOUS
FROM	TO				%	DESCR.	%	DESCR.	%	DESCR.	%	DESCR.	%	COLOR	DESCR.	%	
1	7								40	LT. GRAY TO CREAM					60	LT. GRAY, PINK BROWN	
	9														100	LT. GRAY + BROWN	
	11				40	BUFF									60	LT. GRAY DMS.	
	27				95	✓									5	BLACK DMS.	
	31				20	LT. GRAY									80	PINK + BROWN	
	35														100	PINK, GRAY, BROWN	
	37														100	SOY + CALCAREOUS	
	42				60	GRY + PINKISH GRAY									100	PINK + GRAY	
	53				100	GRY + GRAYISH BUFF											40% COARSE & FINE LITHOLOGICAL CONGLOMERATE
	54				40	✓			50	GRY, & LT. RED				10	LT. GRAY DMS.		
	63								100	LT. GRAY, SOME REDDISH							
	70				35	BUFF			65	LT. GRAY							
	73				80	LT. GRAY			20	LT. GRAY, COARSE							
	78				10	✓			90	LT. GRAY, BUFF							
	83				20	LT. GRAYISH BUFF SOY			80	COARSE, GRAY							
	85								100	GRY + LT. GRAY							
	87				40	PINK SOY			60	GRY + LT. GRAY							
	98				70	LT. GRAY			30	COARSE, GRAY							
	105				30	SOY			70	COARSE, GRAY							
	11				30	GRY, QUARTZITE			70	YELLOW + DMS.							
	20								100	GRY + PINK							
	25								100	PINK							
	37								100	COARSE, SUBMITTAL ALTERED							
	43								100	COARSE, AND							
	46								100	AS ABOVE - PINK FELDSPAR ALTERS TO YELLOWISH BROWN							
	50								100	AS ABOVE - PINK FELDSPAR ALTERS TO YELLOWISH BROWN							
	54								100	AS ABOVE - PINK FELDSPAR ALTERS TO YELLOWISH BROWN							
	60								100	AS ABOVE - PINK FELDSPAR ALTERS TO YELLOWISH BROWN							
	63								100	AS ABOVE - PINK FELDSPAR ALTERS TO YELLOWISH BROWN							
	64								100	PINK + GRAY, YELLOWISH BROWN							
	64 1/2								100	AS ABOVE - PINK FELDSPAR ALTERS TO YELLOWISH BROWN							
	65								70	30 LT. GRAY DMS.							
	68				30	GRY, COARSE			70	GRY + LT. GRAY							
	69				85	✓			100	GRY + LT. GRAY							
	76								100	GRY + LT. GRAY							
	82								100	GRY + LT. GRAY							
	83								100	GRY + LT. GRAY							

DATE _____

DESCR. BY.

WATKINS--FURNITURE CO., SMITHS, 1000 JAW

[illegible]

SAMPLE DESCRIPTION

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DESCR. BY R.C.H.

DATE

VALLEY PRINTING CO. ALBUQUERQUE, N.M.

COMPANY					WELL NO.		LEASE				COUNTY				STATE	
WHITE MANGERS					1		STATE				SAGUARO				N.M.	
DEPTH		SAND.	SALT	NON-RED SHALE		RED SHALE		SANDSTONE		GRANITE		DOLOMITE		LIMESTONE		MISCELLANEOUS
FROM	TO			%	DESCR.	%	DESCR.	%	DESCR.	%	DESCR.	%	COLOR	DESCR.	%	
183	184									100	PINK - APPEARS VERY FRESH					
	86									100	-	-	-	-	-	
	91									100	-	-	-	-	-	
	200 TO									100	COARSELY IF PURE GRANITE					
WELL UNQUESTIONABLY COMPLETED IN PRE-CAMBRIAN GRANITE. TOP GRANITE AT 172 OR POSSIBLY A BIT HIGHER.																

SAMPLE DESCRIPTION

PAGE

DATE _____

DESCR. BY_

~~WILLIAM PRINTING CO., ALBANY, N.Y. 12202~~

[illegible]

FORM C-105

NEW MEXICO

DATE

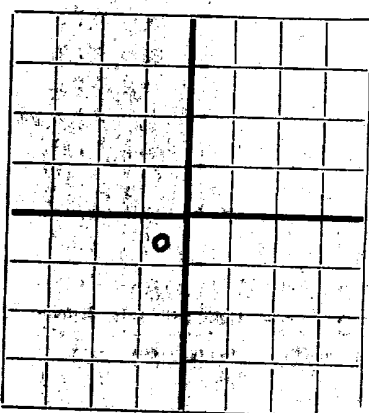
FROM

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.



AREA 640 ACRES
LOCATE WELL CORRECTLY

White Mangels
State Company or Operator

Socorro N.M.

Well No. 1 in SW 1/4 of Sec 32, T. 4 N.
R. 3 W., N. M. P. M., Willcox Field, Socorro County.
Well is 330 feet south of the North line and 300 feet west of the East line of same.
If State land the oil and gas lease is No. E-1135 Assignment No. _____
If patented land the owner is _____, Address _____
If Government land the permittee is _____, Address _____
The Lessee is G. F. Mangels, Address _____
Drilling commenced 4-1-1947 Drilling was completed 7-17-1947
Name of drilling contractor White Mangels, Address _____
Elevation above sea level at top of casing 1200 feet.
The information given is to be kept confidential until 7-21-1947

OIL SANDS OR ZONES

No. 1, from _____ to _____ No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet.
No. 2, from _____ to _____ feet.
No. 3, from _____ to _____ feet.
No. 4, from _____ to _____ feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOT	OUT & FILLED FROM	PERFORATED		PURPOSE
							FROM	TO	
8 7/8"	70	8	Natl	29'	none	—	—	—	Surface

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth Set _____
Adapters—Material _____ Size _____

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT

Results of shooting or chemical treatment _____

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing _____, 19 _____
The production of the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, Be _____
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

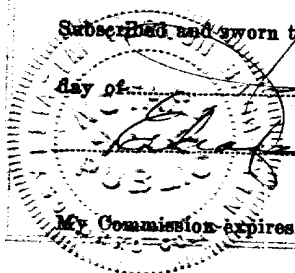
FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 18th day of July, 1947

Notary Public

Socorro N.M. 7-18-47
Place _____ Date _____
Name Ernest B. White
Position Operator
Representing White Mangels Operator
Company or Operator
Address Box 153 Socorro N.M.



FORMATION RECORD[illegible]