

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 1

DESCR. BY R.C.N.

DATE

WILLIAMS BRITISH CO. ALBUQUERQUE, N.M.

COMPANY					WELL NO.		LEASE				COUNTY				STATE		
WHITE - MANGELS					1		STATE				SAGARDO				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, PALE BROWN	
	9									LT. GRAY					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 + CONGLOMERATE	
	42					60	GRY + BUFF								100	PINK + GRAY	
	53					100	GRY, BUFF										4.90 COARSE & FINE LIMESTONE 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							
	78					10	✓		90	LT. GRAY, BUFF							
	83					20	LT. GRAY, BUFF		80	COARSE, GRAY							
	85								100	GRY, LT. RED							
	87					40	PINK		60	GRY + LT. GRAY							
	95					70	LT. GRAY		30	COARSE, GRAY							
	105					30	SOY		70	COARSE, GRAY							
	11					30	GRY, QUANTITATIVE		70	YELLOW + PINK							
	20								100	GRY + PINK							
	25								100	GRY + PINK							
	37								100	GRY + PINK							
	43								100	GRY + PINK							
	46								100	GRY + PINK							
	50								100	GRY + PINK							
	57								100	GRY + PINK							
	60								100	GRY + PINK							
	63								100	GRY + PINK							
	69								100	GRY + PINK							
	64 1/2								100	GRY + PINK							
	65								70	GRY + PINK							
	66					30	GRY, QUANTITATIVE		70	GRY + PINK							
	68					85	GRY + PINK		100	GRY + PINK							
	69								100	GRY + PINK							
	76								100	GRY + PINK							
	82								100	GRY + PINK							
	83								100	GRY + PINK							

TOP - CONCRETE

SOME OF GRAY ALTERED

SAMPLE DESCRIPTION

PAGE

DATE _____

DESCR BY

01011--FUSZUOMIA...02 SMITHS...100110

[illegible]

SAMPLE DESCRIPTION

PAGE 2

DESIGN. BY R. G. W.

DATE _____

VALLEY PRINTING CO., A MEMBER OF THE...

COMPANY					WELL NO.		LEASE				COUNTY						STATE		
WHITE MANGERS					1		STATE				SAGUARO						N.M.		
DEPTH		ARMY.	MILY.	SALT	NON-RED SHALE		RED SHALE		SANDSTONE		GRANITE		DOLOMITE			LIMESTONE			MISCELLANEOUS
FROM	TO				%	DESCR.	%	DESCR.	%	DESCR.	%	DESCR.	%	COLOR	DESCR.	%	COLOR	DESCR.	
182	184										100	PINK - APPEARS VERY FRESH							
	86										100	-	-	-	-	-	-		
	99										100	-	-	-	-	-	-		
200	TD										100	FRAGMENT OF PURE GRANITE							
WELL UNQUESTIONABLY COMPLETED IN PRE-CAMBRIAN GRANITE. TOP GRANITE AT 172 OR POSSIBLY A BIT HIGHER.																			

SAMPLE DESCRIPTION

PAGE

DATE _____

DESCR. BY:

YALANT PRINTING CO. - BIRMINGHAM - ALA.

[illegible]

FORM C-105

NEW MEXICO OIL CONSERVATION COMMISSION

02

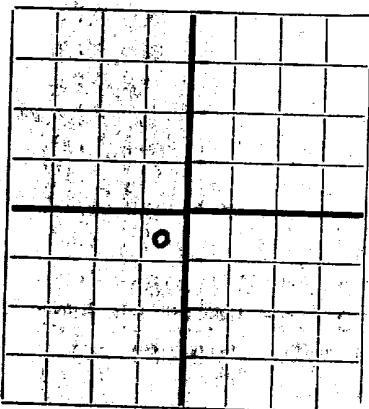
FROM

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 None to No. 4, from to
No. 2, from None to No. 5, from to
No. 3, from None 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 None 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
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
My Commission expires May 24, 1950

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

FROM	TO	THICKNESS IN FEET	FORMATION
NEW MEXICO OIL COMMISSION Santa Fe New Mexico			LOCATE WELL CORRECTLY AREA AND CORNER COMPANY OR OPERATOR Well No. _____ Lessor _____ R. _____ Well is _____ feet south of the North line and _____ feet west of the East line of _____ It states land the oil and gas lease is No. _____ If patented land the owner is _____ If Government land the permittee is _____ The lessee is _____ Drilling commenced _____ Name of drilling contractor _____ Elevation above sea level at top of casing _____ feet The information given is to be kept confidential until _____ No. 1 from _____ to _____ No. 2 from _____ to _____ No. 3 from _____ to _____
IMPORTANT WATER BANDS			
LITHOLOGICAL RECORD			
MUDLOGGING AND CEMENTING RECORD			
PITLOG AND DRILLING			
RECORD OF ADDING OR CHEMICAL TREATMENT			
RECORD OF DRILLING AND SPECIAL TESTS			
TOOLS USED			
PRODUCTION			
OVERVIEW			
FORMATION RECORD ON OTHER SITES			
Name _____ Location _____ Representing _____ Company or Operator _____ Address _____			