

## NEW MEXICO OIL CONSERVATION COMMISSION

HOBBS OFFICE SANTA FE, NEW MEXICO

MAY 21 10 25 AM '64 WELL RECORD

MAIL TO DISTRICT OFFICE, OIL CONSERVATION COMMISSION, TO WHICH FORM C-101 WAS SENT NOT LATER THAN TWENTY DAYS AFTER COMPLETION OF WELL. FOLLOW INSTRUCTIONS IN RULES AND REGULATIONS OF THE COMMISSION. SUBMIT IN QUINTUPLICATE.

AREA 640 ACRES  
LOCATE WELL CORRECTLY

HUMBLE OIL &amp; REFINING COMPANY

New Mexico State "K"

(COMPANY OR OPERATOR)

(LEASE)

WELL NO. 21, IN SW  $\frac{1}{4}$  OF SE  $\frac{1}{4}$  OF SEC. 28, T. 17-S, R. 35-E, NMPM.  
Undesignated-Vacuum Glorieta (T) POOL, Lea COUNTY.

WELL IS 1980 FEET FROM East LINE AND 330 FEET FROM South LINE  
OF SECTION 28. IF STATE LAND THE OIL AND GAS LEASE NO. IS A-1320

DRILLING COMMENCED April 15, 1964 DRILLING WAS COMPLETED April 30, 1964

NAME OF DRILLING CONTRACTOR Rod Ric Corporation

ADDRESS Midland, Texas

ELEVATION ABOVE SEA LEVEL AT TOP OF TUBING HEAD 3949 D.F.. THE INFORMATION GIVEN IS TO BE  
KEPT CONFIDENTIAL UNTIL -, 19- DATE WELL COMPLETED 5-3-64

DISTANCE FROM RDB TO CSG. HEAD FLANGE 11.65 TOP OF RDB 1.0

## OIL SANDS OR ZONES

NO. 1, FROM 6101, 6104, 6106, 6108, 6110, 6115, 6116, 6117 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	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
8-5/8"	24	New	1594	Baker	-	-	Surface
4-1/2"	9.5 & 11.6	New	6218	Halliburton	-	6101, 6104, 6106, 6108, 6110, 6115, 6116, 6117	Oil String

## MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	TOP OF CEMENT
12-1/4"	8-5/8	1609	850	Pumped	-	Circulated.
7-7/8"	4-1/2	6230	800	Pumped	-	2636 by Temp Survey

## RECORD OF PRODUCTION AND STIMULATION

(RECORD THE PROCESS USED, NO. OF QTS. OR GALS. USED, INTERVAL TREATED OR SHOT.)

Displaced water in casing with oil. Spotted 500 gallons acetic acid on bottom. Perf.

4-1/2" casing at 6101, 6104, 6106, 6108, 6110, 6115, 6116, 6117 with one radio active

jet shot per depth. Acidized about perf. with the above 500 gallons of acetic acid with

an average injection rate of .9 BPM. Maximum pressure 1300#. Job by Western Company.

RESULT OF PRODUCTION STIMULATION Well completed as a flowing oil well.

TOTAL DEPTH 6230 Driller's T.D.

PBD 6211

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 0 FEET TO 6230\* FEET, AND FROM FEET TO FEET.  
CABLE TOOLS WERE USED FROM FEET TO FEET, AND FROM FEET TO FEET.

PRODUCTION \*Driller's T.D.

PUT TO PRODUCING May 3, 1964  
OIL WELL: THE PRODUCTION DURING THE FIRST 4-1/2 HOURS WAS 65 BARRELS OF LIQUID OF WHICH 100% WAS OIL; % WAS EMULSION; % WATER; AND % WAS SEDIMENT. A.P.I. GRAVITY 38.7°

GAS WELL: THE PRODUCTION DURING THE FIRST 24 HOURS WAS M.C.F. PLUS BARRELS OF LIQUID HYDROCARBON. SHUT IN PRESSURE LBS.

LENGTH OF TIME SHUT IN

PLEASE INDICATE BELOW FORMATION TOPS (In Conformance With Geographical Section Of State):

SOUTHEASTERN NEW MEXICO			NORTHWESTERN NEW MEXICO		
T. ANHY			T. DEVONIAN		T. OJO ALAMO
Rustler	1556		T. SILURIAN		T. KIRTLAND-FRUITLAND
Tansill	2725		T. MONTOYA		T. FARMINGTON
T. YATES	2811		T. SIMPSON		T. PICTURED CLIFFS
T. 7 RIVERS	3045		T. McKEE		T. MENESEE
T. QUEEN	3686		T. ELLENBURGER		T. POINT LOOKOUT
T. GRAYBURG	4042		T. GR. WASH		T. MANCOS
T. SAN ANDRES	4378		T. GRANITE		T. DAKOTA
T. GLORIETA	5936		T.		T. MORRISON
Paddock	6080		T.		T. PENN
T. TUBBS			T.		T.
T. ABO			T.		T.
T. PENN			T.		T.
T. MISS			T.		T.

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION	FROM	TO	THICKNESS IN FEET	FORMATION
0	110	110	Surface Sand & Red Bed				
110	1378	1268	Red Bed				
1378	1580	202	Red Bed and Anhydrite				
1580	3606	2026	Anhydrite				
3606	3760	154	Lime				
3760	4283	523	Lime and Anhydrite				
4283	6230	1947	Lime				
	T.D.						

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

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.

May 20, 1964  
COMPANY OR OPERATOR Humble Oil & Refining Company ADDRESS Box 2100, Hobbs, New Mexico (DATE) 5-24-64  
NAME Agent POSITION OR TITLE

# SUPPLEMENTAL WELL INFORMATION

NAME OF WELL AND NUMBER New Mexico State K Well No. 21

POOL COMPLETED IN Undesignated - Vacuum Glorieta (T)

PERFORATED INTERVAL 6101, 6104, 6106, 6108, 6110, 6115, 6116, 6117

STIMULATIONS: SEE FRONT PAGE

## POTENTIAL TEST

DATE	CHOKE SIZE	HOURS TESTED	BBLs/DAY		% OF BS&W	GAS MCF /DAY	GOR	TBG PR OR S P M	CSG PR OR L. STROKE	CORRECTED GRAVITY
			FLUID	OIL						
5-3-64	1/4	4-1/2	65	65	-	82	237	380	40	38.7°

## DRILL STEM TESTS

NO.	RESERVOIR	INTERVAL TESTED		PRESSURES			RECOVERY - FEET	RUN BY
		FROM	TO	I. SI.	F. FLOW.	F. SI.		
	None							

CORES: None

LOGS: Gamma-Ray-Lane Wells-from 6230 to surface on 4-30-64.  
Sonic-Lane Wells-from 6230 to 1609 on 4-30-64.  
Caliper-Lane Wells-from 6230 to 1609 on 4-30-64.

UNSUCCESSFUL COMPLETION ATTEMPTS: FROM None TO None  
 (SEE DAILY DRILLERS REPORTS FOR  
 SQUEEZES OR BRIDGES.)