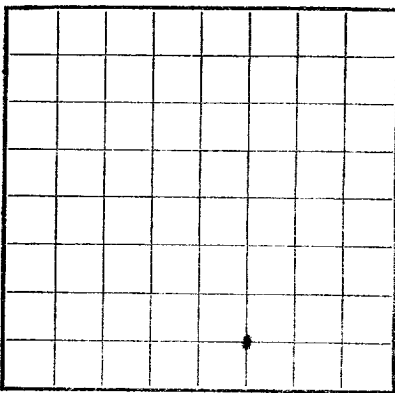


N. M. O. C. C. COPY

U. S. LAND OFFICE

SERIAL NUMBER **NM 01165**

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

RECEIVED UNITED STATES
DEPARTMENT OF THE INTERIOR
MAY 10 1961
GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

RECEIVED
MAY 11 1961
D. C. S.
ARTESIA, NEW MEXICO

LOG OF OIL OR GAS WELLCompany **Daya Operating Company** Address **415 Citizens Nat'l Bnk., Abilene, Tex.**Lessor or Tract **Yates-Federal** Field **Wildcat** State **New Mexico**Well No. **1** Sec. **7** T. **20** R. **29** Meridian _____ County **Eddy**Location **660** ft. **N** of **S** Line and **1990** ft. **W** of **E** Line of **Section 7** Elevation **3266**
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed _____

Date **5-5-61**Title **Superintendent**

The summary on this page is for the condition of the well at above date.

Commenced drilling **April 15**, 19 **61** Finished drilling **April 28**, 19 **61****OIL OR GAS SANDS OR ZONES**

(Denote gas by G)

No. 1, from **943** to **1055** No. 4, from _____ to _____

No. 2, from _____ to _____ No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDSNo. 1, from **None** to _____ No. 3, from _____ to _____

No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8 5/8	20 1/2	8	Ray	150'	Tex. Pat.	Surface			Surface
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	190'	140 Sacks	Pump & Plug		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USEDRotary tools were used from **Surface** feet to **1055** feet, and from _____ feet to _____ feet

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

DATES_____ **5-5-**, 19 **61** Put to producing **Dry**, 19 _____The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. _____

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

FROM—	TO—	TOTAL FEET	FORMATION
0	80	80	Sand & Shale
80	300	220	Salt & Red bed
300	350	50	Anhydrite & Red Sandstone
350	500	150	Salt & Red bed
500	750	250	Anhydrite, Red bed & Salt
750	943	193	Anhydrite & Dolomite
943	996	53	Sand
996	1001	5	Dolomite
1001	1055	54	Sand
Geological Tops			
			Spl. E. L.
			Cowden Anhydrite 495 500
			Yates 943 943
FROM—	TO—	TOTAL FEET	ELEVATION

FORMATION RECORD—Continued

16-48094-4

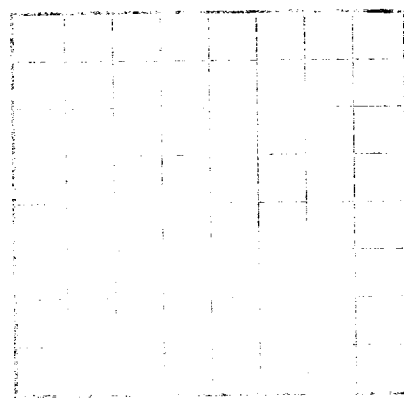
AT THE END OF COMPLETE DRILLER'S
LOG, ADD GEOL. TO LOG STATE
WHETHER OR NOT

U. S. GEOLOGICAL SURVEY
 WASHINGTON, D. C. 20508
 U. S. DEPARTMENT OF THE INTERIOR

UNITED STATES

DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



Company: Days Operating Company
 Location: Yates-Federal
 State: New Mexico
 County: Chaves
 Section: 1
 Township: 36N
 Range: 10E

The information given on this form is a summary of the work done on the well and all work done thereon. It is to be determined from all available records.

Date: 5-5-61

By: Superintendent

The summary on this page is for the completion of the well log.

Company: Days Operating Company

OIL OR GAS RANGES OR FORMS

(None listed)

IMPORTANT DATA

1. Name of well: Yates-Federal

2. Location: Chaves County, New Mexico

CRITICAL RECORD

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If logs or bridges were put into test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

10-48084-2 U. S. GOVERNMENT PRINTING OFFICE

FROM-	TO-	TOTAL FEET	FORMATION	
			FORMATION	THICKNESS
100	105	5	Sand	5
105	110	5	Sand	5
110	115	5	Sand	5
115	120	5	Sand	5
120	125	5	Sand	5
125	130	5	Sand	5
130	135	5	Sand	5
135	140	5	Sand	5
140	145	5	Sand	5
145	150	5	Sand	5
150	155	5	Sand	5
155	160	5	Sand	5
160	165	5	Sand	5
165	170	5	Sand	5
170	175	5	Sand	5
175	180	5	Sand	5
180	185	5	Sand	5
185	190	5	Sand	5
190	195	5	Sand	5
195	200	5	Sand	5
200	205	5	Sand	5
205	210	5	Sand	5
210	215	5	Sand	5
215	220	5	Sand	5
220	225	5	Sand	5
225	230	5	Sand	5
230	235	5	Sand	5
235	240	5	Sand	5
240	245	5	Sand	5
245	250	5	Sand	5
250	255	5	Sand	5
255	260	5	Sand	5
260	265	5	Sand	5
265	270	5	Sand	5
270	275	5	Sand	5
275	280	5	Sand	5
280	285	5	Sand	5
285	290	5	Sand	5
290	295	5	Sand	5
295	300	5	Sand	5
300	305	5	Sand	5
305	310	5	Sand	5
310	315	5	Sand	5
315	320	5	Sand	5
320	325	5	Sand	5
325	330	5	Sand	5
330	335	5	Sand	5
335	340	5	Sand	5
340	345	5	Sand	5
345	350	5	Sand	5
350	355	5	Sand	5
355	360	5	Sand	5
360	365	5	Sand	5
365	370	5	Sand	5
370	375	5	Sand	5
375	380	5	Sand	5
380	385	5	Sand	5
385	390	5	Sand	5
390	395	5	Sand	5
395	400	5	Sand	5
400	405	5	Sand	5
405	410	5	Sand	5
410	415	5	Sand	5
415	420	5	Sand	5
420	425	5	Sand	5
425	430	5	Sand	5
430	435	5	Sand	5
435	440	5	Sand	5
440	445	5	Sand	5
445	450	5	Sand	5
450	455	5	Sand	5
455	460	5	Sand	5
460	465	5	Sand	5
465	470	5	Sand	5
470	475	5	Sand	5
475	480	5	Sand	5
480	485	5	Sand	5
485	490	5	Sand	5
490	495	5	Sand	5
495	500	5	Sand	5
500	505	5	Sand	5
505	510	5	Sand	5
510	515	5	Sand	5
515	520	5	Sand	5
520	525	5	Sand	5
525	530	5	Sand	5
530	535	5	Sand	5
535	540	5	Sand	5
540	545	5	Sand	5
545	550	5	Sand	5
550	555	5	Sand	5
555	560	5	Sand	5
560	565	5	Sand	5
565	570	5	Sand	5
570	575	5	Sand	5
575	580	5	Sand	5
580	585	5	Sand	5
585	590	5	Sand	5
590	595	5	Sand	5
595	600	5	Sand	5
600	605	5	Sand	5
605	610	5	Sand	5
610	615	5	Sand	5
615	620	5	Sand	5
620	625	5	Sand	5
625	630	5	Sand	5
630	635	5	Sand	5
635	640	5	Sand	5
640	645	5	Sand	5
645	650	5	Sand	5
650	655	5	Sand	5
655	660	5	Sand	5
660	665	5	Sand	5
665	670	5	Sand	5
670	675	5	Sand	5
675	680	5	Sand	5
680	685	5	Sand	5
685	690	5	Sand	5
690	695	5	Sand	5
695	700	5	Sand	5
700	705	5	Sand	5
705	710	5	Sand	5
710	715	5	Sand	5
715	720	5	Sand	5
720	725	5	Sand	5
725	730	5	Sand	5
730	735	5	Sand	5
735	740	5	Sand	5
740	745	5	Sand	5
745	750	5	Sand	5
750	755	5	Sand	5
755	760	5	Sand	5
760	765	5	Sand	5
765	770	5	Sand	5
770	775	5	Sand	5
775	780	5	Sand	5
780	785	5	Sand	5
785	790	5	Sand	5
790	795	5	Sand	5
795	800	5	Sand	5
800	805	5	Sand	5
805	810	5	Sand	5
810	815	5	Sand	5
815	820	5	Sand	5
820	825	5	Sand	5
825	830	5	Sand	5
830	835	5	Sand	5
835	840	5	Sand	5
840	845	5	Sand	5
845	850	5	Sand	5
850	855	5	Sand	5
855	860	5	Sand	5
860	865	5	Sand	5
865	870	5	Sand	5
870	875	5	Sand	5
875	880	5	Sand	5
880	885	5	Sand	5
885	890	5	Sand	5
890	895	5	Sand	5
895	900	5	Sand	5
900	905	5	Sand	5
905	910	5	Sand	5
910	915	5	Sand	5
915	920	5	Sand	5
920	925	5	Sand	5
925	930	5	Sand	5
930	935	5	Sand	5
935	940	5	Sand	5
940	945	5	Sand	5
945	950	5	Sand	5
950	955	5	Sand	5
955	960	5	Sand	5
960	965	5	Sand	5
965	970	5	Sand	5
970	975	5	Sand	5
975	980	5	Sand	5
980	985	5	Sand	5
985	990	5	Sand	5
990	995	5	Sand	5
995	1000	5	Sand	5