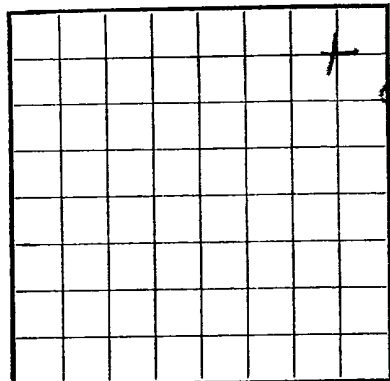


U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **055264**
LEASE OR PERMIT TO PROSPECT
Jackson "B"

LOCATE WELL CORRECTLY

OIL CONS. COMM.
ARTESIA OFFICEUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Nash, Windfohr & Brown** Address **1107 Continental Life Bldg., Ft. Worth, Texas**
Lessor or Tract **J. M. Jackson** Field **Square Lakes** State **New Mexico**
Well No. **21-B** Sec. **12** T. **17S** R. **30E** Meridian **NMPM** County **Eddy**
Location **660** ft. **XX** of **N** Line and **660** ft. **XX** of **E** Line of **Sec. 12** Elevation **3715**
(Derick 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 **August 12, 1957**Title **R. F. Windfohr - Partner**

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

Commenced drilling **May 14**, 1957 Finished drilling **July 9**, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2905** to **2915** 0 No. 4, from **3392** to **3401**
No. 2, from **3148** to **3153** 0 No. 5, from to
No. 3, from **3159** to **3170** No. 6, from to

IMPORTANT WATER SANDS

No. 1, from **418** to **440** No. 3, from **2312** to **2340**
No. 2, from **1770** to **1780** * No. 4, from to

*(Slight Amount)

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make New	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8 5/8"	24#	8	Pittsburg	540	Tex Pat.				
7 "	20#	8	Pittsburg	2417	Tex Pat.				
5 1/2"	14#	8	Pittsburg	3472	Tex Pat.				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	540	50	Pump Disp.		
7 "	2417	2000 # Aquagel			

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
		SEE NOTE				

TOOLS USED

Rotary tools were used from 0 feet to 3540 feet and from 3540 feet to 3715 feet (see log for details)
Cable tools were used from 0 feet to 3540 feet and from 3540 feet to 3715 feet (see log for details)

DATES

Put to producing **August 8, 1957**
The production for the first 24 hours was **43 bbls. oil and 50 bbls. water**
Gas well, cu. ft. per 24 hours **2**
Rock pressure, lbs. per sq. in. **1**
Employees **2**
Driller **1**
Driller **1**

FORMATION RECORD

Depth	Formation
0	Red Sand & Shale
145	Red Sand
160	Red Sand & Shale
170	Red Sand
180	Red Sand
190	Red Sand
200	Red Sand
210	Red Sand
220	Red Sand
230	Red Sand
240	Red Sand
250	Red Sand
260	Red Sand
270	Red Sand
280	Red Sand
290	Red Sand
300	Red Sand
310	Red Sand
320	Red Sand
330	Red Sand
340	Red Sand
350	Red Sand
360	Red Sand
370	Red Sand
380	Red Sand
390	Red Sand
400	Red Sand
410	Red Sand
420	Red Sand
430	Red Sand
440	Red Sand
450	Red Sand
460	Red Sand
470	Red Sand
480	Red Sand
490	Red Sand
500	Red Sand
510	Red Sand
520	Red Sand
530	Red Sand
540	Red Sand
550	Red Sand
560	Red Sand
570	Red Sand
580	Red Sand
590	Red Sand
600	Red Sand
610	Red Sand
620	Red Sand
630	Red Sand
640	Red Sand
650	Red Sand
660	Red Sand
670	Red Sand
680	Red Sand
690	Red Sand
700	Red Sand
710	Red Sand
720	Red Sand
730	Red Sand
740	Red Sand
750	Red Sand
760	Red Sand
770	Red Sand
780	Red Sand
790	Red Sand
800	Red Sand
810	Red Sand
820	Red Sand
830	Red Sand
840	Red Sand
850	Red Sand
860	Red Sand
870	Red Sand
880	Red Sand
890	Red Sand
900	Red Sand
910	Red Sand
920	Red Sand
930	Red Sand
940	Red Sand
950	Red Sand
960	Red Sand
970	Red Sand
980	Red Sand
990	Red Sand
1000	Red Sand
1010	Red Sand
1020	Red Sand
1030	Red Sand
1040	Red Sand
1050	Red Sand
1060	Red Sand
1070	Red Sand
1080	Red Sand
1090	Red Sand
1100	Red Sand
1110	Red Sand
1120	Red Sand
1130	Red Sand
1140	Red Sand
1150	Red Sand
1160	Red Sand
1170	Red Sand
1180	Red Sand
1190	Red Sand
1200	Red Sand
1210	Red Sand
1220	Red Sand
1230	Red Sand
1240	Red Sand
1250	Red Sand
1260	Red Sand
1270	Red Sand
1280	Red Sand
1290	Red Sand
1300	Red Sand
1310	Red Sand
1320	Red Sand
1330	Red Sand
1340	Red Sand
1350	Red Sand
1360	Red Sand
1370	Red Sand
1380	Red Sand
1390	Red Sand
1400	Red Sand
1410	Red Sand
1420	Red Sand
1430	Red Sand
1440	Red Sand
1450	Red Sand
1460	Red Sand
1470	Red Sand
1480	Red Sand
1490	Red Sand
1500	Red Sand
1510	Red Sand
1520	Red Sand
1530	Red Sand
1540	Red Sand
1550	Red Sand
1560	Red Sand
1570	Red Sand
1580	Red Sand
1590	Red Sand
1600	Red Sand
1610	Red Sand
1620	Red Sand
1630	Red Sand
1640	Red Sand
1650	Red Sand
1660	Red Sand
1670	Red Sand
1680	Red Sand
1690	Red Sand
1700	Red Sand
1710	Red Sand
1720	Red Sand
1730	Red Sand
1740	Red Sand
1750	Red Sand
1760	Red Sand
1770	Red Sand
1780	Red Sand
1790	Red Sand
1800	Red Sand
1810	Red Sand
1820	Red Sand
1830	Red Sand
1840	Red Sand
1850	Red Sand
1860	Red Sand
1870	Red Sand
1880	Red Sand
1890	Red Sand
1900	Red Sand
1910	Red Sand
1920	Red Sand
1930	Red Sand
1940	Red Sand
1950	Red Sand
1960	Red Sand
1970	Red Sand
1980	Red Sand
1990	Red Sand
2000	Red Sand
2010	Red Sand
2020	Red Sand
2030	Red Sand
2040	Red Sand
2050	Red Sand
2060	Red Sand
2070	Red Sand
2080	Red Sand
2090	Red Sand
2100	Red Sand
2110	Red Sand
2120	Red Sand
2130	Red Sand
2140	Red Sand
2150	Red Sand
2160	Red Sand
2170	Red Sand
2180	Red Sand
2190	Red Sand
2200	Red Sand
2210	Red Sand
2220	Red Sand
2230	Red Sand
2240	Red Sand
2250	Red Sand
2260	Red Sand
2270	Red Sand
2280	Red Sand
2290	Red Sand
2300	Red Sand
2310	Red Sand
2320	Red Sand
2330	Red Sand
2340	Red Sand
2350	Red Sand
2360	Red Sand
2370	Red Sand
2380	Red Sand
2390	Red Sand
2400	Red Sand
2410	Red Sand
2420	Red Sand
2430	Red Sand
2440	Red Sand
2450	Red Sand
2460	Red Sand
2470	Red Sand
2480	Red Sand
2490	Red Sand
2500	Red Sand
2510	Red Sand
2520	Red Sand
2530	Red Sand
2540	Red Sand
2550	Red Sand
2560	Red Sand
2570	Red Sand
2580	Red Sand
2590	Red Sand
2600	Red Sand
2610	Red Sand
2620	Red Sand
2630	Red Sand
2640	Red Sand
2650	Red Sand
2660	Red Sand
2670	Red Sand
2680	Red Sand
2690	Red Sand
2700	Red Sand
2710	Red Sand
2720	Red Sand
2730	Red Sand
2740	Red Sand
2750	Red Sand
2760	Red Sand
2770	Red Sand
2780	Red Sand
2790	Red Sand
2800	Red Sand
2810	Red Sand
2820	Red Sand
2830	Red Sand
2840	Red Sand
2850	Red Sand
2860	Red Sand
2870	Red Sand
2880	Red Sand
2890	Red Sand
2900	Red Sand
2910	Red Sand
2920	Red Sand
2930	Red Sand
2940	Red Sand
2950	Red Sand
2960	Red Sand
2970	Red Sand
2980	Red Sand
2990	Red Sand
3000	Red Sand
3010	Red Sand
3020	Red Sand
3030	Red Sand
3040	Red Sand
3050	Red Sand
3060	Red Sand
3070	Red Sand
3080	Red Sand
3090	Red Sand
3100	Red Sand
3110	Red Sand
3120	Red Sand
3130	Red Sand
3140	Red Sand
3150	Red Sand
3160	Red Sand
3170	Red Sand
3180	Red Sand
3190	Red Sand
3200	Red Sand
3210	Red Sand
3220	Red Sand
3230	Red Sand
3240	Red Sand
3250	Red Sand
3260	Red Sand
3270	Red Sand
3280	Red Sand
3290	Red Sand
3300	Red Sand
3310	Red Sand
3320	Red Sand
3330	Red Sand
3340	Red Sand
3350	Red Sand
3360	Red Sand
3370	Red Sand
3380	Red Sand
3390	Red Sand
3400	Red Sand
3410	Red Sand
3420	Red Sand
3430	Red Sand
3440	Red Sand
3450	Red Sand
3460	Red Sand
3470	Red Sand
3480	Red Sand
3490	Red Sand
3500	Red Sand
3510	Red Sand
3520	Red Sand
3530	Red Sand
3540	Red Sand
3550	Red Sand
3560	Red Sand
3570	Red Sand
3580	Red Sand
3590	Red Sand
3600	Red Sand
3610	Red Sand
3620	Red Sand
3630	Red Sand
3640	Red Sand
3650	Red Sand
3660	Red Sand
3670	Red Sand
3680	Red Sand
3690	Red Sand
3700	Red Sand
3710	Red Sand
3715	Red Sand

g : nozkeL

LOG OF CUT OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

GEOTOGICAL MAPS

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

[illegible]

3401
 3402
 3403
 3404
 3405
 3406
 3407
 3408
 3409
 3410
 3411
 3412
 3413
 3414
 3415
 3416
 3417
 3418
 3419
 3420
 3421
 3422
 3423
 3424
 3425
 3426
 3427
 3428
 3429
 3430
 3431
 3432
 3433
 3434
 3435
 3436
 3437
 3438
 3439
 3440
 3441
 3442
 3443
 3444
 3445
 3446
 3447
 3448
 3449
 3450
 3451
 3452
 3453
 3454
 3455
 3456
 3457
 3458
 3459
 3460
 3461
 3462
 3463
 3464
 3465
 3466
 3467
 3468
 3469
 3470
 3471
 3472
 3473
 3474
 3475
 3476
 3477
 3478
 3479
 3480
 3481
 3482
 3483
 3484
 3485
 3486
 3487
 3488
 3489
 3490
 3491
 3492
 3493
 3494
 3495
 3496
 3497
 3498
 3499
 3500

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 abandoned, or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. Holes or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]

NASH, WINDFOHR & BROWN
OIL PRODUCERS
1107 CONTINENTAL LIFE BUILDING
FORT WORTH, TEXAS

August 12, 1957

Acidized 3492 to 3540 with 2,000 gallons of 20 % acid; average rate of treating fluid 1 barrel per minute; maximum pressure 1800; minimum pressure 1300. Well made only faint show before acidizing. After acidizing swabbed 3 barrels of oil and 3 barrels of water after being shut down 8 hours. Mudded and abandoned zone, setting Lane Wells bridging plug at 3472.

Perforated 3386-3402 with 64 holes and from 3422 to 3438 with 64 holes. Well swabbed 2 barrels after perforating. Acidized with 5,000 gallons. Well swabbed 3 barrels per hour. Fraced with 10,000 gallons of acid frac and 11,500 pounds of 20/40 frac sand; maximum pressure 2400 and minimum pressure 1800. Well swabbed through casing 10-11 barrels of fluid per hour, estimated 1/2 oil and 1/2 water. Placed well on pump, and now pumping 43 barrels of oil and 50 barrels of water each 24 hours.

LEACH WINDFORD & BROWN
ENGINEERS
100 CONVENT STREET
LEACH WINDFORD

August 12, 1937

Added 3498 to 3499 with 2,000 gallons of 20 # acid; average rate of treating fluid 1 barrel per minute; maximum pressure 1800; minimum pressure 1500. Well made only faint show before ceasing. After adding swapped 3 barrels of oil and 3 barrels of water after being shut down 1 hour. Added and abandoned rope, setting same wells bridging pipe at 1000.

Performed 3498-3499 with 24 holes and then 3499 to 3498 with 14 holes. Well swapped 3 barrels after performing. Added with 2,000 gallons. Well swapped 3 barrels per hour. Traced with 10,000 gallons of acid from 11:30 to 12:00. Pounds of 20 # acid used, maximum pressure 2400 and minimum pressure 1800. Well worked through casing 10-11 barrels of fluid per hour, estimated 1 1/2 oil and 1 1/2 water. Placed well on pump, and now pumping 43 barrels of oil and 50 barrels of water each 24 hours.