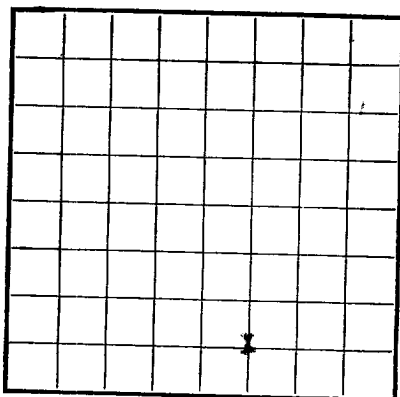




LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYU. S. LAND OFFICE Las Cruces
SERIAL NUMBER 028731 (a)
LEASE OR PERMIT TO PROSPECT 0RECEIVED
JUL 17 1958
GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

LOG OF OIL OR GAS WELL

Company Sunray Mid-Continent Oil Company Address Box 128, Hobbs, New Mexico
Lessor or Tract M. Dodd #4 Field Undesignated State New Mexico
Well No. 21-X Sec. 15 T. 17S R. 29E Meridian NMP County Eddy
Location 660 ft. N of 1 Line and 251.5 ft. W of 1 Line of Section 15 Elevation 3594
(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 M. StettinDate July 14, 1958Title Engineer

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

Commenced drilling 3-27, 1958 Finished drilling 7-10, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

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

No. 1, from _____ 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—	
13 3/8	836	800	800	800					Surface
9 5/8	3508	589	589	589					Int.
		443	443	443					
		25	25	25					
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
13 3/8	836	800	Pump		
9 5/8	3508	589 sz Indore	Pump		
		443 sz Diaseel "B"			
		25 sz Keat			

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 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

DATES

_____, 19____ Put to producing _____, 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	150	150	Sand & Caliche
150	400	250	Sand & Redbed
400	600	200	Salt & Anhydrite
600	905	305	Anhydrite
905	1820	915	Sand & Anhydrite. Top Yates 905
1820	2000	180	Sand & Anhydrite. Top Queens 1820
2000	2505	505	Sand & dolomite. Top San Andres 2505
2505	3923	417	Dolomite w/sand streaks
3923	4010	87	Lime & Sand. Top Glorietta 3923
4010	5495	1485	Lime, Top Tubbs 5495
5495	6140	645	Limey Sand. Top Abo 6140
6140	7230	1090	Shaley Lime. Top Wilcep. 7230
7230	7250	20	Lime
7250	7500	250	Dolomite
7500	8155	655	Dolomite & Shale
8155	8190	35	Lime. Top Penn 8155.
8190	10210	2020	Dolomite, Lime, Shale.
10210	11105	895	Shale & Sand w/lime streaks. Top Atoka 10,210
11105	11242 TD	137	Chalky Lime. Top Chester 11,105

NOTE: Formation tops above were by electric logs.

(OVER)

COPY 1/10/58

16-43094-4

FORMATION RECORD—Continued

FORMATION RECORD—Continued[illegible]

HISTORY OF OIL OR GAS WELL

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 plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Set 13 5/8" casing at 836' w/600 ex 4 1/2 gal and 200 ex 10 1/2 salt. Circulated approx. 50 ex. P.D. 6:45 A.M., 3-31-58. WOC 2 1/2 hours and tested to 500#/30 min. O.K. Set 9 5/8" casing at 3503 w/589 ex Incore, 443 ex Discal w/200 ex Neal. Circulated approx. 25 ex. P.D. 12:01 P.M., 4-17-58. WOC 4 1/2 hrs. Tested casing to 1000# for 30 min. O.K. Drilled to 11,242', TD. Placed 50 ex. cement plug 3569-3439'. Hole failed w/12.7#/gal. mud. WOC 1 1/2 hrs. 5400' WDP, 7-10-58. Temporarily abandoned.

Rat. elec. logs 10,768' to surface and at 11,171 DST #1 Atoxa 10,680-10,777. Pool open 3 1/4 hrs. Shut in 1 hr. Rec. 1500' water blanket, 90 GOR. IFP 830#, PFI 860#, ISP 830#, PSIF 2040#. Flowed 1 1/2 hrs. at surface.

DST #2 at TD 11,146'. Packer failed. OIL OK CYS SWMS OK HOMES

DST #3 Chester 10,917-11,116. Open 3 1/2 hrs. Shut in 1 hr. Rec. 1500' wa water cushion, 150 DM WS. IFP 1015#, PFI 1015#, SIP 1125#.

The situation on this baby is not the condition of the well at 11,146'.

GOE OF OIL OF C/S METT

GEOLOGICAL SURVEY
DEPARTMENT OF THE INTERIOR
UNITED STATES

LEVEL OF SERVICE TO BE PROVIDED
 SPECIAL MEMBER
 FUNDING SOURCE

100-441102-15-34-100
100-441102-15-34-100