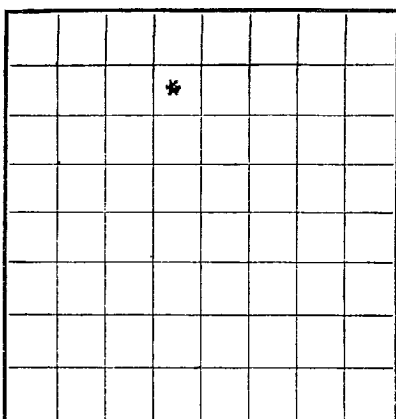




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Las Cruces**SERIAL NUMBER **065478 (b)**

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**RECEIVED**
JAN 18 1960
D. G. C.
ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

Company **Pan American Petroleum Corporation** Address **Box 68 Hobbs, New Mexico**
Lessor or Tract **Malco Refineries "B"** Field **Empire Abo** State **New Mexico**
Well No. **9** Sec. **3** T. **13** R. **27** Meridian **NMPM** County **Eddy**
Location **957** ft. **XXX** of **N** Line and **2308.68** ft. **XXX** of **E** Line of **3** Elevation **806**
(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.

Date **1/17/60** Signed **J. W. BROWN** Original Signed by
Title **Area Superintendent**

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

Commenced drilling **11-26-**, 19**59** Finished drilling **12-17-**, 19**59**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **5448** to **5516** 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—	
8-5/8	24.5	8	J-55	1467	Guide	Surface	5448	5516	Oil string
4-1/2	9.5	8	J-55	978	Open	5516	5516	5516	Oil string
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	1470	Circulated	Pump Plug		
4-1/2	5711	850 sx.	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 USED

Rotary tools were used from **0** feet to **5711 TD** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Completed **12-26-**, 19**59** Put to producing **12-25-**, 19**59**

The production for the first 24 hours was **113** barrels of fluid of which **96** % was oil; _____ %
emulsion; **4** % **acid** 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

L. N. Arnold, Driller **Joe Henry**, Driller
R. D. Ryan, Driller **P. F. Huffman**, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	495	495	Surface & Redrock
495	1343	848	Anhy & Lime
1343	2411	1068	Lime
2411	2539	128	Lime & Sand
2539	3547	1008	Lime
3547	3606	59	Sand
3606	4064	458	Lime
4064	4124	60	Lime & Sand
4124	5166	1042	Lime
5166	5222	56	Lime & Shale
5222	5711 TD	489	Lime
			TOPS
			Queen 865'
			SA 1595'
			Glorieta 2975'
			Abo Pay 5448'

2. 6. 31

FROM	TO	TOTAL FEET	FORMATION
			1. 0-10' Sandstone, medium to coarse, brown, silty, with thin layers of shale. 2. 10-20' Sandstone, medium to coarse, brown, silty, with thin layers of shale. 3. 20-30' Sandstone, medium to coarse, brown, silty, with thin layers of shale. 4. 30-40' Sandstone, medium to coarse, brown, silty, with thin layers of shale. 5. 40-50' Sandstone, medium to coarse, brown, silty, with thin layers of shale. 6. 50-60' Sandstone, medium to coarse, brown, silty, with thin layers of shale. 7. 60-70' Sandstone, medium to coarse, brown, silty, with thin layers of shale. 8. 70-80' Sandstone, medium to coarse, brown, silty, with thin layers of shale. 9. 80-90' Sandstone, medium to coarse, brown, silty, with thin layers of shale. 10. 90-100' Sandstone, medium to coarse, brown, silty, with thin layers of shale.

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 balling.

U. S. GOVERNMENT PRINTING OFFICE 16-53094-2

Completed 12-27-59 as an Empire Abo Field Development well. On RT well flooded 106 BO
5 BAW, 37 MOG in 24 hours on 12/6/59. Flow: 285#, GPR 0-PK., GOR 338.

TD 5711, PBD 56761, HGV. 36061, HDB.
PRM 11,601, HDB-CL 121.

Port. 5235-5305 W/2 JSPF & acidized W/2000 gal. 15%, swabbed dry. Squeezed with 150 perforated 5498-5516 & 5532-5546 W/2 JSPF & acidized with 4000 gal. 15% - Port. 5456-5482 W/2 JSPF, acidized W/3000 gal. 15%.

Answer: Yes, the bus does get its energy from the Sun. The engine converts the heat energy from the sun into mechanical energy.

1997 1998 1999 2000 2001 2002

SECRETARY GENERAL
MINISTER OF THE INTERIOR
NEWSPAPER PUBLISHED

These results suggest that the use of a single, non-validated, questionnaire may not be sufficient to accurately assess the prevalence of mental health problems in the community. The use of a validated questionnaire, such as the GHQ-12, may be more appropriate for this purpose.