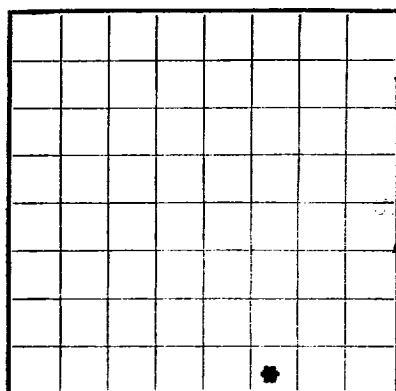


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 090158
LEASE OR PERMIT TO PROSPECT



RECEIVED

JAN 9 1961

UNITED STATES

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

JAN 11 1961

D. C. C.
ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Pan American Petroleum Corporation** Address **Box 68, Hobbs, New Mexico**
 Lessor or Tract **J. M. Harbold** Field **Empire-Paddock** State **New Mexico**
 Well No. **1** Sec. **34** T. **17S** R. **27E** Meridian **NMPM** County **Reddy**
 Location **330** ft. **N** of **E** Line and **1650** ft. **W** of **E** Line of **34** Elevation **3626** **FEET**

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 _____ ORIGINAL SIGNED _____
V F STALEY

Date 1-5-61 Title Area Superintendent

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

THE SRO TO VPA GPOK COE S800 VITON 37 HOLE ALLIGCTAG JT-SS-20°
Commanced filling VI 2012 09 30 19 00 finished drilling 21 BO * T35 13 13 60
INTA METT MBE COMPTER EQ DIL ORG GAS LITONOR ON THE SURFACE 59900K METT IN 201

No. 1, from		No. 2, from		No. 3, from		No. 4, from		No. 5, from		No. 6, from		No. 7, from		No. 8, from	
2390-2398	x 10	2400-2408	x 10	2410-2418	x 10	2420-2428	x 10	2430-2438	x 10	2440-2448	x 10	2450-2458	x 10	2460-2468	x 10
3075	to	3085	to	3095	to	3105	to	3115	to	3125	to	3135	to	3145	to
3085		3095		3105		3115		3125		3135		3145		3155	
3155		3165		3175		3185		3195		3205		3215		3225	
3225		3235		3245		3255		3265		3275		3285		3295	
3295		3305		3315		3325		3335		3345		3355		3365	
3365		3375		3385		3395		3405		3415		3425		3435	
3435		3445		3455		3465		3475		3485		3495		3505	
3505		3515		3525		3535		3545		3555		3565		3575	
3575		3585		3595		3605		3615		3625		3635		3645	
3645		3655		3665		3675		3685		3695		3705		3715	
3715		3725		3735		3745		3755		3765		3775		3785	
3785		3795		3805		3815		3825		3835		3845		3855	
3855		3865		3875		3885		3895		3905		3915		3925	
3925		3935		3945		3955		3965		3975		3985		3995	
3995		4005		4015		4025		4035		4045		4055		4065	
4065		4075		4085		4095		4105		4115		4125		4135	
4135		4145		4155		4165		4175		4185		4195		4205	
4205		4215		4225		4235		4245		4255		4265		4275	
4275		4285		4295		4305		4315		4325		4335		4345	
4345		4355		4365		4375		4385		4395		4405		4415	
4415		4425		4435		4445		4455		4465		4475		4485	
4485		4495		4505		4515		4525		4535		4545		4555	
4555		4565		4575		4585		4595		4605		4615		4625	
4625		4635		4645		4655		4665		4675		4685		4695	
4695		4705		4715		4725		4735		4745		4755		4765	
4765		4775		4785		4795		4805		4815		4825		4835	
4835		4845		4855		4865		4875		4885		4895		4905	
4905		4915		4925		4935		4945		4955		4965		4975	
4975		4985		4995		5005		5015		5025		5035		5045	
5045		5055		5065		5075		5085		5095		5105		5115	
5115		5125		5135		5145		5155		5165		5175		5185	
5185		5195		5205		5215		5225		5235		5245		5255	
5255		5265		5275		5285		5295		5305		5315		5325	
5325		5335		5345		5355									

[illegible]

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
3/4"	1.25	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/2"	1.00	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/4"	0.75	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
3/16"	0.50	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/8"	0.25	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
3/32"	0.12	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/32"	0.06	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/64"	0.03	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/128"	0.01	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/256"	0.00	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/512"	0.00	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/1024"	0.00	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/2048"	0.00	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/4096"	0.00	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/8192"	0.00	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/16384"	0.00	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/32768"	0.00	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/65536"	0.00	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/131072"	0.00	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/262144"	0.00	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/524288"	0.00	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/1048576"	0.00	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/2097152"	0.00	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/4194304"	0.00	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/8388608"	0.00	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/16777216"	0.00	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/33554432"	0.00	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/67108864"	0.00	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/134217728"	0.00	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/268435456"	0.00	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/536870912"	0.00	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/1073741824"	0.00	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/2147483648"	0.00	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/4294967296"	0.00	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/8589934592"	0.00	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/17179869184"	0.00	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/34359738368"	0.00	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/68719476736"	0.00	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/137438953472"	0.00	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/274877906944"	0.00	12	W. L. & M.	100	Kind of shoe	and 100	of blinding or painting		
1/549755813888"									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5/8"	1480	750 sz.	Pump Plug		
1/2"	5697	135 sz. bottom	Pump Plug		
		150 sz. thru			
		perf at 8193			

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material		Size
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SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
Acidized perforations 3075-3086 with 4000 gallons 15%.						
Sand Free perforations 3075-3086 with 12 000 gallons oil 36 000% m.						

TOOLS USED

Rotary tools were used from 0 feet to 407 m feet, and from _____ feet to _____ feet

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

DATES

Completed 11-23, 1960 Put to producing 11-22, 1960

The production for the first 24 hours was 100 barrels of fluid of which 30 % was oil; %

emulsion; ~~no~~ % 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. W. Lamb, Driller G. L. Davis, Driller

L. E. Arnold, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	884	884	Andy & Gyp
884	1157	273	Andy & Lime
1157	2410	1253	Lime
2410	2520	110	Lime & Sand
2520	4011	1491	Lime
4011	4085	74	Lime & Sand
4085	4854	769	Lime
4854	4915	61	Lime & Sand
4915	5697 TD	782	Lime

TOPS

Top Yess - 2940 - E. L.

Top Paddock - 3075 - E.L.

FROM -

10—

IGLVT FEEL

КОБЫЛЧОН

[OVER]

FORMATION RECORD - CONTINUED

16-43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
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3000	3000	3000	3000
2800	2800	2800	2800
2600	2600	2600	2600
2400	2400	2400	2400
2200	2200	2200	2200
2000	2000	2000	2000
1800	1800	1800	1800
1600	1600	1600	1600
1400	1400	1400	1400
1200	1200	1200	1200
1000	1000	1000	1000
800	800	800	800
600	600	600	600
400	400	400	400
200	200	200	200
0	0	0	0

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