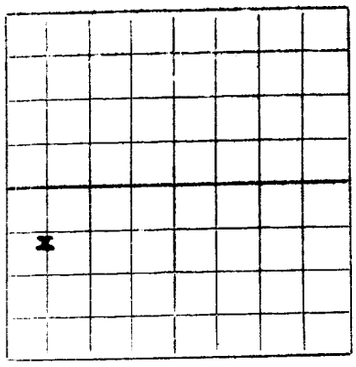
(Revised 7/1/52)
(Form C-105)

N.



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE.

Pan American Petroleum Corporation (Company or Operator) State "AT" (Lease)

Well No. 1, in NW ¼ of SW ¼, of Sec. 2, T. 18 - S, R. 27 - E, NMPM.

Empire Abo Pool, Eddy County.

Well is 1880 feet from South line and 660 feet from West line of Section 2. If State Land the Oil and Gas Lease No. is B-7244

Drilling Commenced October 9, 1958. Drilling was Completed November 22, 1958

Name of Drilling Contractor Lee Drilling Company

Address 1007 Philtower Building, Tulsa, Oklahoma

Elevation above sea level at Top of Tubing Head 3546 RDB. The information given is to be kept confidential until Not Confidential, 19.....

OIL SANDS OR ZONES

No. 1, from 5360' to 5386' No. 4, from ..... to .....

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

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

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from ..... to ..... feet. .....

No. 2, from ..... to ..... feet. .....

No. 3, from ..... to ..... feet. .....

No. 4, from ..... to ..... feet. .....

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
8-5/8"	24	New	984'	Float			Surface
5-1/2"	14	New	6123'	Float		5360-86 w/4 shots per foot.	Oil String

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
12-1/4	8-5/8	993	700	HOWCO		
7-7/8	5-1/2	6094	200	HOWCO		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

Acidized perforations 5360' - 5386' with 500 gallons 15% Regular Acid.

Result of Production Stimulation .....

Depth Cleaned Out .....

F ORD OF DRILL-STEM AND SPECIAL TES

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

TOOLS USED

Rotary tools were used from 0 feet to 6944 feet, and from ..... feet to ..... feet.

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

PRODUCTION

Put to Producing November 22, 19 58

OIL WELL: The production during the first 24 hours was 75 barrels of liquid of which 100 % was was oil; - % was emulsion; - % water; and - % was sediment. A.P.I. Gravity 42°

GAS WELL: The production during the first 24 hours was ..... M.C.F. plus ..... barrels of liquid Hydrocarbon. Shut in Pressure ..... lbs.

Length of Time Shut in .....

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico		Northwestern New Mexico
T. Anhy.	T. Devonian	T. Ojo Alamo
T. Salt	T. Silurian	T. Kirtland-Fruitland
B. Salt	T. Montoya	T. Farmington
T. Yates	T. Simpson	T. Pictured Cliffs
T. 7 Rivers	T. McKee	T. Menefee
T. Queen	T. Ellenburger	T. Point Lookout
T. Grayburg	T. Gr. Wash	T. Mancos
T. San Andres 2465'	T. Granite	T. Dakota
T. Glorieta	T.	T. Morrison
T. Drinkard	T.	T. Penn
T. Tubbs	T.	T.
T. Abo 4360'	T.	T.
T. Penn	T.	T.
T. Miss	T.	T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	458	458	Red Bed Anhy.				
458	628	170	Anhy., Shale				
628	993	365	Anhy.				
993	998	5	Anhy., Lime				
998	1398	400	Anhy.				
1398	1823	425	Anhy., Lime				
1823	1975	152	Lime				
1975	2018	43	Anhy., Lime				
2018	2158	140	Lime and Shale				
2158	2568	410	Lime				
2568	2900	332	Lime and Sand				
2900	3771	871	Lime				
3771	3965	194	Lime and Sand				
3965	4300	335	Lime				
4300	4334	34	Lime and Shale				
4334	4715	381	Lime				
4715	4967	252	Lime and Sand				
4967	5035	68	Lime and Chert				
5035	5068	33	Lime and Sand				
5068	5400	332	Lime and Chert.				
Cored from 5400' to 6074'							

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

11/28/58
(Date)

Company or Operator Pan American Petroleum Corp. Address Box 68 - Hobbs, New Mexico

Name R.L. Hendrickson Position or Title Field Superintendent

Core No. 9: 5638' - 5659' Rec 21'

5639 - 43 Gr. micro xyln to light tan, to coarse xyln anhy x dt. w/scattered good vug x pp por., mod frac. saturated and bleeding oil slightly

5643 - 59 Gr. micro xyln tight dt x anhy stringer scattered zones of poor vug x sli frac w/scattered bleeding oil

Core No. 10: 5659' - 5671' Rec 11'

5659 - 70 Gr. micro xyln dt w/scattered good vug x pp por slightly frac bleed oil blk micro xyln dt scattered in core throughout fractured.

5670 - 5671 No recovery.

Core No. 11: 5673 - 87 Rec 14'

5673 - 87 Gr. micro to coarse xyln dt good vug to pp por mod frac oil saturated x blee ing oil from tight zones.

Core No. 12: 5687' - 5713' Rec 25'

5687' - 5712' Gr. micro to coarse xyln dt very good vug x pp por slightly frac oil saturated x slight bleeding oil

Core No. 13: 5713' - 40' Rec 27'

5713 - 31 Gr. micro to coarse xyln dt very good vug x pp por highly fractured oil saturated

Core No. 14: 5740 - 5788 Rec 48'

5743 - 45½ Gr. fine to med xyln dt w/very good vug x pp por w/anhy streaks, bleedin oil

5745½ - 55½ dense micro to fine xyln dt w/gr and green shale stringers

5755½ - 61 Dr. gray anhy dt w/poor vug x pp por bleeding oil

5761 - 62 Dark gr. dense to fine xyln anhy dt w/pp por bleed oil

5762 - 72 Gray shale and anhy.

5772 - 77 Dr. gr. dense fine to med xyln dt w/green shale stringers, some pp porosity bleed oil.

5777 - 82 Gr. coarse xyln dt anhy dt., med vug x pp por bleeding oil.

5782 - 83 Dr. gr sh rotten anhy dt w/good vug x pp por mod frac bleeding oil.

5783 - 88 Tight anhy dt w/poor vug x pp por bleeding oil.

Tight anhy fine xyln dt no shs.

Core No. 15: Recovered 50'

5788 - 96 Gry MXLN to fine XLN dense anhy dol. no shows

96 - 5802 Gry med to fine xln anhy dol poor pp x vug por., sli frac bleeding oil

5802 - 03 Tight anhy w/traces of dol.

03 - 19½ Gry sli anhydritic dol w/poor to fair vug x pp por sli frac bleeding oil.

19½ - 24½ Anhydrite - no shows.

24½ - 30 Gry anhy fine xln dol poor pp x frac por bleeding oil, minor gry shale partings

30 - 31 Dolomite anhydrite - no shows.

31- 38 Gry fine to med xln dol sli anhydritic fair to good pp x vug por mod frac oil saturated x bleeding oil.

Core No. 16: 5838 - 88 Rec 50'

5838 - 44 Gry fine to med xln any dol fair vug to pp por sli frac bleeding oil

44 - 47 Gry tight anhy dol, no show

47 - 49 Gray fine to med xln anhy dol poor pp por bleeding oil.

49 - 54.5 Gry tight anhy dol w/scattered bleeding oil.

54.5 - 73.5 Gry fine to med xln dol fair vug x pp por sli frac., bleeding oil.

85 - 88 Gry fine anhy dol scattered pp x vug por sli frac x bleeding oil.

Core No. 17: 5888 - 5938

5888' - 95' Gry fine xyln anhy dt poor pp x vug por slightly frac bleeding oil.

5895 - 5938 Gry vug xyln dt no sho gr shale strin ers 5929 - 5931'

STATE "AT" NO. 1

Core No. 1: 5400' to 5450' 100% recovery.

5400' - 5405' Vuggy Dol. stain frac.
5405' - 5420' Drk. gray anhy. dol. slight stain
5420' - 5422' Vug. dol. frac. bleeding oil, trace anhy.
22-1/2 - 23-1/2 Dense Anhy
23-1/2 - 25 Gray vuggy frac dol., trace anhy., bleeding oil.
25 - 29 Vuggy anhy., dense dolomite, no shows.
29 - 38 Dense Anhy., and olomite, slight show
38 - 42 Gray dense anhy., embedded dolomite, no shows
42 - 44 Gray slight vuggy dolomite, bleeding oil, anhy. stringers
44- 50 Gray very anhydritic dolomite, no shows

Core No. 2: Cored 5450' - 5493' Recovered 43'

5450 - 55 Gray dense anhy., imbedded in gray and lime dolomite.
5455 - 58 Gray dense anhy., imbedded in gray and XLN dol, slight vuggy por. bleeding oil
58 - 62½ XLN dol. small amt. gry dense anhy., inclusions, vuggy por and frac bleeding oil.
62½ - 65½ XLN dol. w/gry dense anhy., interbedded very por bleeding oil sli fractured.
65½ - 67½ Gry. dense anhy., small amount of dol.
67½ - 68½ XLN dol. interbedded w/gray dense anhy. some vuggy por bleeding oil.
68½ - 71 Gray dense anhy. x gray to light brown x lm. dol., no shows
71 - 79 XLN dol. very porous highly frac., bleeding oil.
79 - 81 Dense anhydrite trace gas., dense dol.
81 - 90 Gray micro xln. dol. very porous, sli fractured, bleeding oil.
90 - 93 Very porous highly fractred gas, xln dol.

Core No. 3: 5493' - 5511' Rec 18' gray micro crys. dt. slightly fractured w/slight porosity and bleeding oil.

5493 - 5501 Gr. micro SLY dt. w/sli vug. porosity slightly frac, bleed oil.
5501 - 5511 Same, but highly fractured.

Core No. 4: 5511' to 5539' Rec 28'
Gray micro xlyn dt. w/scattered but x pin point porosity, mod fractures, bleeding oil x gas throughout core.

Core No. 5: Cut and recovered 23'

5539 - 52 Gray mxln anhydritic dol. med vug x pin point, med frac, bleeding oil x gas.
52 - 55 Gray anhy xln x coarse dol, good vug x pin point por. oil stained x bleeding oil in places.
55 - 57 Gry xln anhy dol med vug x pp por mod frac. bleeding oil x gas.
57 - 59½ Gry anhy micro xln dol x coarse xln dol good vug x pp por oil stained x bleeding oil in places.
59½ - 62 Gry micro xln anhy dol. med vug x pp por moderate frac bleeding oil x gas.

Core No. 6: 5562' - 84' Rec 100%

62 - 65 Gry MXLN dol sli vert frac med vug to pp por., slight stain
65 - 75 Gry MXLN dol slight vertical fracture med to pp por.
75 - 81 Gry MXLN dol slight vertical fracture, med vug to pp por, slight stain
81 - 84 Gry MXLN dol highly frac. good vug porosity considerable stain x bleeding.

Core No. 7: 5584 '- 5609' Rec 24'

5584' - 5595½ Gr. xlyn dt. mod frac pp x scat vug bleed oil.
5595½ - 5608 Gr. xlyn to coarse syln dt. highly frac very good vug to pp por oil stain

Core No. 8: 5609' - 5638' Rec 29'

5609 - 19 Gray micro syln to coarse xyln dt med vug x pp sli frac. bleeding oil
5619 - 29 Clear white xyln dt interbedded w/thin stringers micro xyln dt having some pp por x bleeding oil, no fractures.
5629 - 38 Gray slightly anhydritic micro xyln dt w/good pp (vug) por,mod frac.bleeding

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