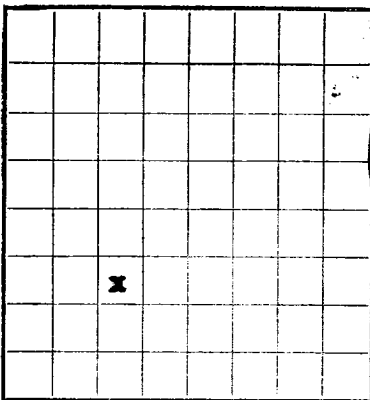
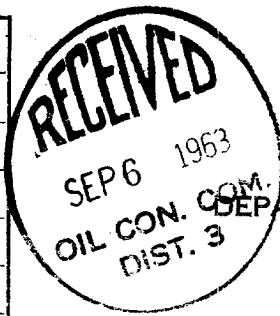




LOCATE WELL CORRECTLY

U. S. LAND OFFICE New Mexico
SERIAL NUMBER NM-048576
LEASE OR PERMIT TO PROSPECTUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company PAN AMERICAN PETROLEUM CORPORATION Address P. O. Box 480, Farmington, New MexicoLessor or Tract Pan American Federal "C" Field Basin Dakota State New MexicoWell No. 1 Sec. 19 T. 30N R 12W Meridian N.M.P.M. County San JuanLocation 1850 ft. N. of S. Line and 1798 E. of W. Line of Section 19 Elevation 5809
(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 _____

Date September 3, 1963 Title Petroleum Engineer

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

Commenced drilling August 1, 1963 Finished drilling August 11, 1963

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6505 to 6515 (G) 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—	
<u>8-5/8"</u>	<u>21.7</u>	<u>8RT</u>	<u>J-55</u>	<u>356'</u>	<u>Guide</u>				<u>Survey</u>
<u>4-1/2"</u>	<u>10.5</u>	<u>8RT</u>	<u>J-55</u>	<u>6655'</u>	<u>Guide</u>				<u>OIL String</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8-5/8"</u>	<u>365'</u>	<u>225</u>	<u>B.J. Service 1 Plug</u>		
<u>4-1/2"</u>	<u>6618'</u>	<u>1500</u>	<u>Halliburton 2 Stage</u>		

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

Completed as shut in gas well, Basin Dakota Field August 27, 63Put to producing Shut in for Pipeline Connection August 27, 63

The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and _____ % sediment.

Gravity, °Bé. _____

If gas well, MLT Preliminary Test 2774

Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____ Driller

Arthur G. MillerRichard Slaughter

_____, Driller _____ Driller

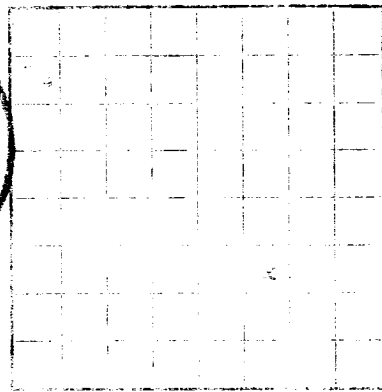
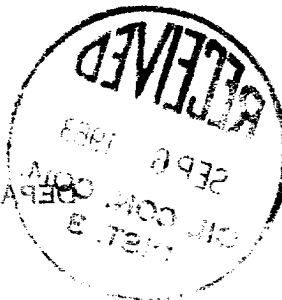
G. W. BentonJ. R. Weisgerber

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>1900</u>	<u>1900</u>	<u>Surface Sn and Sh</u>
<u>1900</u>	<u>2070</u>	<u>170</u>	<u>Pictured Cliffs</u>
<u>2070</u>	<u>3470</u>	<u>1400</u>	<u>Lewis Sh</u>
<u>3470</u>	<u>4620</u>	<u>1150</u>	<u>Mesaverde Sn and Sh</u>
<u>4620</u>	<u>5570</u>	<u>950</u>	<u>Mancos Sh</u>
<u>5570</u>	<u>5865</u>	<u>295</u>	<u>Gallup Sn and Sh</u>
<u>5865</u>	<u>6314</u>	<u>449</u>	<u>Mancos Sh</u>
<u>6314</u>	<u>6370</u>	<u>56</u>	<u>Greenhorn Sh</u>
<u>6370</u>	<u>6423</u>	<u>53</u>	<u>Graneros Sh</u>
<u>6423</u>	<u>6490</u>	<u>67</u>	<u>Graneros Dakota Sn and Sh</u>
<u>6490</u>	<u>6530</u>	<u>40</u>	<u>Main Dakota Sn</u>
<u>6530</u>	<u>6618</u>	<u>88</u>	<u>Lower Dakota Sn and Sh</u>

U. S. LAND OFFICE
Bureau Number
Please see Remarks to Prospect

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

Location map, see page 1

Well No. 1, Sec. 13, T. 12 N., R. 12 E., Meridian 10. Location on map, p. 1. Name of land owner, State of Nebraska. The information given herewith is a complete and correct record of the well and all work done thereon. It is to be determined from all available records. Signed _____

The summary on this page is for the condition of the well as above stated. Completed drilling _____ 1940. Finished drilling _____ 1940.

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1 from _____ to _____
No. 2 from _____ to _____
No. 3 from _____ to _____

IMPORTANT WATER SANDS

No. 1 from _____ to _____
No. 2 from _____ to _____

CASING RECORD

Size of casing, _____ inch. Depth of casing, _____ feet. Weight of casing, _____ lb. per ft.

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 shot, or plugged or bridged, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

10-42094-2 U. S. GOVERNMENT PRINTING OFFICE

MUDLOGGING AND CEMENTING RECORD

Time of day	Depth of mud	Kind of mud	Amount of mud used
8:00 AM	100	Water	100
9:00 AM	200	Water	200

PLUGS AND ADAPTERS

Plugs and adapters used, _____

SHOOTING RECORD

Size	Weight	Depth of shot	Date	Quantity	Kind of shot	Depth of shot
1/2	100	100	1940	100	Water	100

TOOLS USED

Rotary tools were used from _____ feet to _____ feet.
Cable tools were used from _____ feet to _____ feet.

DATES

The production for the first 24 hours was _____ barrels of fluid of which _____ was oil. Gravity, _____ B.S. Put to production _____

EMPLOYERS

Driller, _____
Driller, _____

FORMATION RECORD

FORMATION	TOTAL FEET	TO	FROM
Lower Cretaceous	100	100	0
Upper Cretaceous	100	200	100
Lower Tertiary	100	300	200
Upper Tertiary	100	400	300
Quaternary	100	500	400
Unconsolidated	100	600	500
Consolidated	100	700	600
Unconsolidated	100	800	700
Consolidated	100	900	800
Unconsolidated	100	1000	900
Consolidated	100	1100	1000
Unconsolidated	100	1200	1100
Consolidated	100	1300	1200
Unconsolidated	100	1400	1300
Consolidated	100	1500	1400
Unconsolidated	100	1600	1500
Consolidated	100	1700	1600
Unconsolidated	100	1800	1700
Consolidated	100	1900	1800
Unconsolidated	100	2000	1900
Consolidated	100	2100	2000
Unconsolidated	100	2200	2100
Consolidated	100	2300	2200
Unconsolidated	100	2400	2300
Consolidated	100	2500	2400
Unconsolidated	100	2600	2500
Consolidated	100	2700	2600
Unconsolidated	100	2800	2700
Consolidated	100	2900	2800
Unconsolidated	100	3000	2900
Consolidated	100	3100	3000
Unconsolidated	100	3200	3100
Consolidated	100	3300	3200
Unconsolidated	100	3400	3300
Consolidated	100	3500	3400
Unconsolidated	100	3600	3500
Consolidated	100	3700	3600
Unconsolidated	100	3800	3700
Consolidated	100	3900	3800
Unconsolidated	100	4000	3900
Consolidated	100	4100	4000
Unconsolidated	100	4200	4100
Consolidated	100	4300	4200
Unconsolidated	100	4400	4300
Consolidated	100	4500	4400
Unconsolidated	100	4600	4500
Consolidated	100	4700	4600
Unconsolidated	100	4800	4700
Consolidated	100	4900	4800
Unconsolidated	100	5000	4900
Consolidated	100	5100	5000
Unconsolidated	100	5200	5100
Consolidated	100	5300	5200
Unconsolidated	100	5400	5300
Consolidated	100	5500	5400
Unconsolidated	100	5600	5500
Consolidated	100	5700	5600
Unconsolidated	100	5800	5700
Consolidated	100	5900	5800
Unconsolidated	100	6000	5900
Consolidated	100	6100	6000
Unconsolidated	100	6200	6100
Consolidated	100	6300	6200
Unconsolidated	100	6400	6300
Consolidated	100	6500	6400
Unconsolidated	100	6600	6500
Consolidated	100	6700	6600
Unconsolidated	100	6800	6700
Consolidated	100	6900	6800
Unconsolidated	100	7000	6900
Consolidated	100	7100	7000
Unconsolidated	100	7200	7100
Consolidated	100	7300	7200
Unconsolidated	100	7400	7300
Consolidated	100	7500	7400
Unconsolidated	100	7600	7500
Consolidated	100	7700	7600
Unconsolidated	100	7800	7700
Consolidated	100	7900	7800
Unconsolidated	100	8000	7900
Consolidated	100	8100	8000
Unconsolidated	100	8200	8100
Consolidated	100	8300	8200
Unconsolidated	100	8400	8300
Consolidated	100	8500	8400
Unconsolidated	100	8600	8500
Consolidated	100	8700	8600
Unconsolidated	100	8800	8700
Consolidated	100	8900	8800
Unconsolidated	100	9000	8900
Consolidated	100	9100	9000
Unconsolidated	100	9200	9100
Consolidated	100	9300	9200
Unconsolidated	100	9400	9300
Consolidated	100	9500	9400
Unconsolidated	100	9600	9500
Consolidated	100	9700	9600
Unconsolidated	100	9800	9700
Consolidated	100	9900	9800
Unconsolidated	100	10000	9900