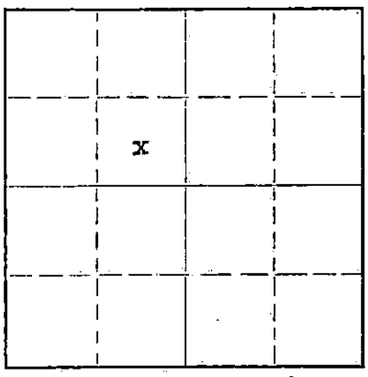
15-129-00051-0000

STATE OF KANSAS
CORPORATION COMMISSION

Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to:
Conservation Division
State Corporation Commission
211 No. Broadway
Wichita, Kansas

WELL PLUGGING RECORD

NORTH



Locate well correctly on above Section Plat

Morton County. Sec. 7 Twp. 32 Rge. 41 ~~XX~~ (E) W (W)

Location as "NE/CNW¼SW¼" or footage from lines Center SE NW

Lease Owner Pan American Petroleum Corporation

Lease Name Withroder Gas Unit Well No. 1

Office Address Box 591, Tulsa, Oklahoma

Character of Well (completed as Oil, Gas or Dry Hole) Dry Hole

Date well completed September 16 19 57

Application for plugging filed September 16 19 57

Application for plugging approved September 18 19 57

Plugging commenced 8:00 A.M., September 17 19 57

Plugging completed 4:00 P.M., September 17 19 57

Reason for abandonment of well or producing formation Non-commercial

If a producing well is abandoned, date of last production 19

Was permission obtained from the Conservation Division or its agents before plugging was commenced? Yes

Name of Conservation Agent who supervised plugging of this well Mr. M. A. Rives, Pratt, Kansas

Producing formation None Depth to top Bottom Total Depth of Well 5345 Feet

Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS — TOPS ONLY — CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE	PUT IN	PULLED OUT
Chase Series		2164		8-5/8	485	None
Topeka		3105		5½	5333	None
Missourian		3614				
Des Moines		4228				
Morrow		4760				
Mississippian		5254				

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same and depth placed, from feet to feet for each plug set.

P.B.D. 2192'. Cemented with 10 sacks cement from 2192 to 2150 ft. Aquagel mud 2150 to 600 ft. Cemented with 15 sacks cement from 600 to 500 ft. Aquagel mud from 500 to 50 ft. Cemented with 15 sacks cement from 50 ft. to bottom of cellar.

(If additional description is necessary, use BACK of this sheet)

Name of Plugging Contractor Halliburton Oil Well Cementing Company

Address Duncan, Oklahoma

STATE OF Kansas, COUNTY OF Grant, ss.

W. M. Warren (employee of owner) or (owner or operator) of the above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are true and correct. So help me God.

(Signature) W M Warren Field Supt.

Box 507, Ulysses, Kansas
(Address)

SUBSCRIBED AND SWORN TO before me this 26th day of September, 19 57

J. G. Cherry Notary Public.

My commission expires November 12, 1958

RECEIVED
STATE CORPORATION COMMISSION
OCT 1 - 1957
CONSERVATION DIVISION
Wichita, Kansas

PLUGGING
FILE SEC 7 T 32 R 41W
BOOK PAGE 46 LINE 14

5-44M

15-129-00051-0000

(Continued from Form 90)

DST #1 - 3295'-3329', Greenwood Pay. Tool open 45 min. with fair blow for 40 min. Tool closed 30 min. Recovered 90' oil and gas cut mud, 180' gas cut muddy sulphur water. BHP 480#, Final Hydrostatic Head 1690#, Initial 1710#. Initial Flow 10#, final 105#. Top choke 1½",bottom5/8"

DST #2 - 4252-70',Des moines. Tool open 30 min for Initial BHP. Open for 30 min. with fair blow. Tool closed 30 min for BHP. Recovered 15' drilling mud. Initial BHP 190#, fnal 960#. Initial Hydrostatic Head 2130#, final 2090#. Initial and final flow 5#. Top choke 1½", bottom 5/8".

DST #3 - 5015-67',Morrow. Tool closed 1/2 hr., open 1 hr. with weak blow. Blow died in 20 minutes. Closed 1/2 hr. Recovered 3' drilling mud. Initial BHP 980#, final 130#. Initial and final flow 15#. Initial Hydrostatic Head 2450#.

DST #4 - 5074-5110'. Tool closed 1/2 hr, open 1 hr, closed 1/2 hr. Recovered 1425' salt water, slightly gas cut. Initial BHP 135#, final 1160#. Initial Hydrostatic Head 2340#, final 2310#. Initial flow 25#, final 730#. Top choke 1½", bottom 7/8".

5½" casing set at 5309 with 400 sx. Pozmix #1 cement.
Permanent Bench Mark 8.50' above outlet in 9-5/8" Braden Head.

Cleaned out hole, swabbed casing down. Tested O.K. Drilled and cleaned out cement to 5281'. Lane Wells ran Gamma Ray and Collar Locator survey. Jet perforated with 4 SPF 5264-72'. Swabbed and bailed hole dry, no show. Western acidized down the hole with 1500 gals. 15% acid, flushed with 5260 gallon water. Time on treatment 56 min. Max. pressure 1000#, ended on 700#. Swabbed and bailed hole dry, no show. Acid swabbed back was not spent. Lane Wells set bridge plug at 5200'. Bullet perforated with 4 SPF 5100-01' and 5060-61'. Ran HOWCO DC cast iron cement retainer on 2-7/8" tbg. Set retainer at 5044'. Loaded hole and pressured annulus with water to 1200#. Broke formation down with water at 4000# pressure. Injection rate 3 BPM at 3000#. Mixed 80 sacks common cement. Displaced 70 sacks and reversed out 10 sacks. Max. and standing press. 4000#. Drilled out cement plug. Loaded hole with water and pressured up to 3000#. Casing tested O.K. Perforated Morrow 5076-79' with 8 JSPF, no show. Treated down hole with 200 gal diesel oil followed with 6000 gal gelled diesel with 6000# sand, flushed with 1000 gal diesel and 4600 gal water. Maximum breakin press. 4700#, treating pressure 3000#. Pressure dropped to 900# in one minute after pumps shut down Injection rate 19 BPM. 8 hr. test swabbing 18 bbls. salt water per hr. from 3800'. Ran 2½" tubing with HOWCO D.C. squeeze packer set at 5064 and squeezed perforations 5076-79 with 75 sx. common cement. Displaced 68 sx. in formation. Max. pressure 3500#. Swabbed hole and casing tested O.K. Perforated Morrow 5043-46 w/8 JSPF. On 30 hr. test, swabbed 18 gal salt water with 3 gal diesel oil per hr., no gas. Western treated down hole w/1000 gal 7½% acid, flushed w/5100 gal water. Max. pressure 450#, broke to 200#. Time on treatment 31 min. Swabbed 60 gal water per hr. on 12 hour test. Ran Lane Wells Gamma Ray with Collar Locator from 3350 to 2000'. Set bridge plug at 3265' and perforated 3230-34' with 6 SPF and cemented with 125 sx. Pozmix #1. Ran Temperature Survey, found top cement 2620'. Lane Wells perforated 3170-76' w/6 JSPF. Western treated w/1000 gal 15% acid, flushed w/4200 gal water. Max. press. 600# on vacuum in 3 min. after pumps shut down. Time on treatment 28 min. 8 hr. gauge 424 MCF through 3" w/80 gal treating water per hour. Treated down hole w/200 gal diesel fuel, followed with 6000 gal gelled diesel with 9000# sand and 200 gal diesel flush. Formation broke and started taking sand at 1100#. Displaced about 2500 gal gelled diesel oil and sand and sanded out. Max. pressure 4500#. Cleaned out sand to 3203'. Swabbed well in. Gauged 355 MCFD through 3" blow tube. Treated down hole w/4000 gal 7½% acid, flushed with 3150 gal water. Max. pressure 450#, on vacuum in 3 min. after pumps shut down. Swabbed well in. In 36 hours gauged 537 MCFD, 25 gal treating water per hr. Set bridging plug and perforated 3109-3114 with 6 JSPF. Gauged 198 MCFD, 23 gal water per hr. in 12 hrs. Treated with 2000 gal 15% acid, flushed with 3100 gal water. Max. pressure 200#, on vacuum when pump was shut down. Gauged 528 MCFD, 200 gal treating water per hour in 12 hrs. Gauged 576 MCFD, 80 gal water per hr. in 48 hours. Shut in for pressure build up. Drilled bridging plug at 3145' and cleaned out to 3203 ft. On 4 hr. test gauged 576 MCFD, 80 gal water per hr. No increase in gas after drilling plug. Rigged down cable tools 8-24-57. - - - - Rigged up cable tools 9-6-57. Set Lane Wells bridging plug at 2350' and perforated 2300-2302' with 6 JSPF. Cemented 5½" casing to surface with 750 sacks Pozmix #1. Perforated 2260-61' with 4 SPF. Ran 2⅛" tubing with HOWCO RTTS squeeze packer set at 2250' and squeezed with 75 sacks common cement. Perforated 2210-11' with 4 SPF with tubing gun and set packer at 2198 and squeezed with 100 sacks common cement. Max. pressure 3000#. Perforated 2150-51' set packer at 2132' and squeezed with 125 sacks common cement. Max. pressure 3000#. Pulled 2⅛" tubing and swabbed hole dry. Drilled out cement. Perforated Winfield 2228-2232 with 8 JSPF, no show gas. Treated down hole with 10,000 gal treated water and 10,000# sand, flushed with 2500 gal water. Max. press. 2500#, treating press. 1000#. Time on treatment 11 min.,injection rate 33.7BPM. Swabbed 9 barrels water per hr. on 14 hr. test, no show of gas. At end of 38 hr. test, swabbed 300 gal of salt water per hour, no show of gas. Squeezed perforations with 150 sx. common cement, displacing 138 sacks into formation. Reversed out 12 sx. Max. press. 3000#. Pulled tubing and packer. Perforated Krider 2168-72' with 8 JSPF. No show gas. Treated down hole with 1000 gal 15% acid, flushed with 2200 gal water. Max. press. 850#, treating press. 600#. Time on treatment 30 min. Swabbed hole dry. On 12 hour test swabbed 20 gal water per hour, no show gas.

Completed as dry hole 9-16-57.

Set cement plug 2192-2150'. Aquagel mud 2150 to 600 ft., cement plug 600-500 ft. Aquagel mud 500 to 50 ft. Cement plug 50 ft. to bottom of cellar.

15-129-00051-0000

FORM 90 2-57

PAN AMERICAN PETROLEUM CORPORATION

WELL RECORD

☐ SUPPLEMENTAL
(ENTER "X" WHEN APPLICABLE)

LEASE Withroder Gas Unit WELL NO. 1

LOCATION OF WELL: 660 FT. ☒ NORTH ☐ SOUTH OF THE ☐ NORTH ☒ SOUTH LINE AND 660 FT.
☒ EAST ☐ WEST OF THE ☐ EAST ☒ WEST LINE OF THE SE ¼ · NW ¼ ·

OF SECTION 7, TOWNSHIP 32 ☐ NORTH ☒ SOUTH, RANGE 41 ☐ EAST ☒ WEST.

Morton COUNTY Kansas STATE

ELEVATION: G.L. 3453' D.F. 3459 R.D.B. 3462'

COMPLETED AS: ☐ OIL WELL ☐ GAS WELL ☐ WATER WELL ☒ DRY HOLE

DRILLING COMMENCED 7-6- 19 57 COMPLETED 7-29- 19 57

LOCATE WELL CORRECTLY

OPERATING COMPANY Pan American Petroleum Corporation ADDRESS Box 591, Tulsa, Oklahoma

TOPS ONLY — OIL OR GAS SANDS OR ZONES

	NAME	FROM	TO		NAME	FROM	TO
1	Chase	2164		4	Des Moines	4228	
2	Topeka	3105		5	Morrow	4760	
3	Missourian	3614		6	Mississippian	5254	

WATER SANDS

	NAME	FROM	TO	WATER LEVEL		NAME	FROM	TO	WATER LEVEL
1	Unconsolidated				3				
2					4				

CASING RECORD (OVERALL MEASUREMENT)

CSG. SIZE	DESCRIPTION: WEIGHT	THREADS	MAKE · GRADE	QUANTITY FEET
8-5/8"	24,28,32	8R	J-55,Gr.C, Gr. D	485
5½"	14	8R	J-55 SS ST&C	5333

LINER-SCREEN RECORD

SIZE	QUANTITY FEET	SET AT TOP	SET AT BOTTOM	MAKE AND TYPE
	None			

PACKER RECORD

SIZE	LENGTH	SET AT	MAKE AND TYPE
	None		

CEMENTING RECORD

SIZE	WHERE SET FEET	CEMENT SACKS	CEMENT BRAND	CEMENT TYPE	METHOD	FINAL PRESS
8-5/8"	490	400	Pozmix	Bulk	HOWCO 2 plug	
5½"	5309	400	Pozmix	Bulk	HOWCO 2 plug	

MUDDING RECORD (CABLE TOOLS)

METHOD	RESULTS

WHAT METHOD WAS USED TO PROTECT SANDS WHEN OUTER STRINGS WERE PULLED? None pulled

WERE BOTTOM HOLE PLUGS USED?

IF SO, STATE KIND, DEPTH SET, AND RESULTS OBTAINED

ROTARY TOOLS WERE USED FROM 0 FEET TO 5345 FEET, AND FROM FEET TO FEET

CABLE TOOLS WERE USED ~~FROM~~ For Completion FEET TO FEET, AND FROM FEET TO FEET

24-HOUR PRODUCTION OR POTENTIAL TEST Dry Hole

WATER BBLS.

IF GAS WELL, CUBIC FEET PER 24 HOURS SHUT-IN PRESSURE LBS. PER SQUARE IN.

I, THE UNDERSIGNED, BEING FIRST DULY SWORN UPON OATH, STATE THAT THIS WELL RECORD IS TRUE AND CORRECT ACCORDING TO THE RECORDS OF THIS OFFICE AND TO THE BEST OF MY KNOWLEDGE AND BELIEF.

ORIGINAL SIGNED BY W. M. WARREN Field Supt.
NAME AND TITLE

SUBSCRIBED AND SWORN TO BEFORE ME THIS 27th DAY OF September 19 57

MY COMMISSION EXPIRES ~~November 12, 1958~~

J. G. Cherry
NOTARY PUBLIC

SEAL

PLUGGING
ORIGINAL SIGNED BY
J. G. CHERRY
SEC 7 T 32 R 41W
BOOK PAGE 46 LINE 14

FORMATION RECORD

DESCRIBE EACH FORMATION DRILLED. INDICATE THICKNESS, CONTENT AND WHETHER DRY, OR OIL, GAS, OR WATER BEARING.

FORMATION	TOP	BOTTOM	FORMATION	TOP	BOTTOM
Sand, Clay	0	160			
Clay,Sand Stks.,Shale,Shells	160	430			
Redbed	430	740			
Redbed - Sand	740	1348			
Sandy Shale	1348	1480			
Anhydrite	1480	1590			
Anhydrite - Shale	1590	1715			
Shale,Anhydrite, Lime	1715	1985			
Shale - Lime	1985	2163			
Lime - Shale	2163	2323			
Shale - Anhydrite - Lime	2323	2462			
Sandy Lime	2462	2553			
Lime - Shale	2553	2660			
Shale - Lime	2660	2769			
Lime - Shale	2769	3010			
Lime - Shale - Anhydrite	3010	3116			
Lime - Shale	3116	3265			
Lime	3265	3508			
Chalky Lime - Shale	3508	3612			
Lime	3612	3795			
Shale - Lime	3795	3870			
Lime	3870	4038			
Shale - Lime	4038	4134			
Lime	4134	4241			
Lime - Sand	4241	4270			
Lime - Shale	4270	4620			
Shale - Lime	4620	4785			
Shale	4785	4867			
Lime - Shale	4867	4905			
Shale (Black)	4905	5021			
Shale - Sand	5021	5193			
Lime - Shale	5193	5233			
Shale - Sand	5233	5258			
Lime	5258	5289			
Lime - Shale	5289	5331			
Lime - Chert	5331	5345			

Summary of Drilling and Completion Operations:

Operations commenced 7-3-57
Spudded 11:00 P.M., 7-5-57

Ground Level to Derrick Floor 6.50 ft.
Derrick Floor to Rotary Drive Bushing 2 ft.

Elevations: Ground Level 3453
Derrick Floor 3459
RDB 3462

8-5/8" casing set at 490 ft. w/400 sacks Pozmix #1 w/2% Calcium Chloride. Cement circulated.

Ran Schlumberger Survey w/formation tops:

Chase	2164
Topeka	3105
Missourian	3614
Des Moines	4228
Morrow	4760
Mississippian	5254

Total Depth 5345'

(Continued on next page)