STATE OF KANSAS
STATE CORPORATION COMMISSION

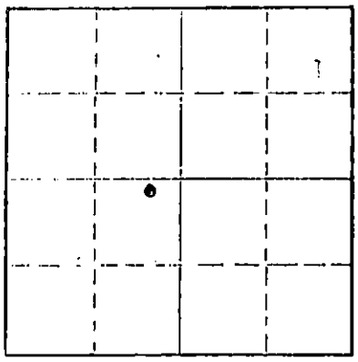
Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to:
Conservation Division
State Corporation Commission
211 No. Broadway
Wichita, Kansas

15-129-00039-0000

Form CP-4

WELL PLUGGING RECORD

NORTH



Locate well correctly on above Section Plat

Morton County. Sec. 16 Twp. 31S Rge. 41 (E) (W)

Location as "NE/CNW¼SW¼" or footage from lines NE NE SW

Lease Owner Pan American Petroleum Corporation

Lease Name Murphy Gas Unit "B" Well No. 1

Office Address P. O. Box 432, Liberal, Kansas

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

Date well completed 2-19 19 57

Application for plugging filed 2-16 19 65

Application for plugging approved 2-17 19 65

Plugging commenced 4-2 19 65

Plugging completed 4-6 19 65

Reason for abandonment of well or producing formation
Economically depleted

If a producing well is abandoned, date of last production January 19 64

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 Hugh Scott

Producing formation Morrow Depth to top 5363 Bottom 5397 Total Depth of Well 5481 Feet

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

OIL, CAS OR WATER RECORDS — CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE	PUT IN	PULLED OUT
Morrow	Gas	5363	5397	8-5/8	1498	None
	Depleted			5-1/2	5448	2184

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.

Spotted 20 sx cement plug at 5237', 35 sx cement from 700' to 600' and 15 sx cement from 45' to surface.

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Wichita, Kansas

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

Name of Plugging Contractor Sargents Casing Pulling Service

Address Liberal, Kansas

STATE OF Kansas, COUNTY OF Seward, ss.

I, D. M. Liles (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) D M Liles

P. O. Box 432, Liberal, Kansas
(Address)

SUBSCRIBED AND SWORN TO before me this 12 day of April, 19 65

Rus Banks
Notary Public.

My commission expires February 11, 1968

FORM 90 4-48

STANOLIND OIL AND GAS COMPANY

WELL RECORD

15-129-00039-0000

Murphy Gas Unit "B" ☐ SUPPLEMENTAL (ENTER "X" WHEN APPLICABLE)

LEASE Patsy Ruth Murphy Est Lease WELL NO. 1

LOCATION OF WELL: 330 FT. ☐ NORTH ☒ SOUTH OF THE ☒ NORTH ☐ SOUTH LINE AND 330 FT.
☐ EAST ☒ WEST OF THE ☒ EAST ☐ WEST LINE OF THE SW ¼ · ¼ · ¼ ·

OF SECTION 16, TOWNSHIP 31 ☐ NORTH ☒ SOUTH, RANGE 41 ☐ EAST ☒ WEST.

Morton COUNTY Kansas STATE

ELEVATION: G.L. 3398 D.F. 3405 R.D.B. 3407

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

DRILLING: COMMENCED 12-21- 56 COMPLETED 2-14- 57

LOCATE WELL CORRECTLY

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

OIL OR GAS SANDS OR ZONES

	NAME	FROM	TO		NAME	FROM	TO
1	Herington		2166	4	Lansing		3420
2	Winfield		2224	5	Missouri Des Moines		4272
3	Topeka			6	Morrow Mississippi		5426

WATER SANDS

	NAME	FROM	TO	WATER LEVEL		NAME	FROM	TO	WATER LEVEL
1	None				3				
2					4				

CASING RECORD (OVERALL MEASUREMENT)

DESCRIPTION CSG. SIZE	WEIGHT	THREADS	MAKE - GRADE	QUANTITY FEET
8-5/8"	24#	8R	J55	1498
5½"	14#	8R	J55	5448

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"	1509	600	Pozmix	Bulk	HOWCO	
5½"	5458	1300	Pozmix	Bulk	HOWCO	

MUDDING RECORD (CABLE TOOLS)

METHOD	RESULTS
None	

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

WERE BOTTOM HOLE PLUGS USED?

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

ROTARY TOOLS WERE USED FROM 0 FEET TO 5481 FEET, AND FROM FEET TO FEET

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

24-HOUR PRODUCTION OR POTENTIAL TEST

20 Min. Open Flow 2227 MCF/D WATER 1110 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

SUBSCRIBED AND SWORN TO BEFORE ME THIS 15th DAY OF March 19 57

ORIGINAL SIGNED BY L. G. CHERRY
NAME AND TITLE

MY COMMISSION EXPIRES November 12, 1958

NOTARY PUBLIC

FORMATION RECORD

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

FORMATION	TOP	BOTTOM	FORMATION	TOP	BOTTOM
Shale	0	157	Lime, Shale	3407	3432
Red Shale	157	200	Lime	3432	3481
Blue Shale	200	360	Lime, Shale	3481	3597
Redbed	360	670	Lime	3597	3650
Red Shale	670	1010	Shale, Lime	3650	3720
Redbed, Lime	1010	1130	Lime, Shale	3720	3890
Redbed, Sand stks.	1130	1395	Lime	3890	4172
Anhy Stks.	1395	1430	Lime, Shale	4172	4464
Anhy	1430	1909	Shale, Lime	4464	4510
Red Bed, Anhy	1909	1835	Lime, Shale	4510	4705
Redbed	1835	2067	Shale, Lime	4705	4776
Lime & Shale	2067	2208	Lime, Shale	4776	4833
Sand, Lime, Shale	2208	2315	Shale	4833	4902
Lime, Shale	2315	2540	Lime, Shale	4902	4949
Shale, Lime	2540	2561	Shale	4949	5014
Lime, Shale	2561	2677	Shale, Lime	5014	5150
Lime	2677	2724	Shale	5150	5270
Lime, Shale	2724	2927	Shale, Lime	5270	5330
Lime	2927	2963	Shale, Sand	5330	5378
Shale, Lime	2963	3044	Lime, Shale	5378	5450
Lime, Shale	3044	3217	Lime	5450	5481
Shale, Lime	3217	3255	TD 5481'		
Lime, Shale	3255	3344	PBD 5379'		
Lime, Shale, Cherty Lime	3344	3407			

Summary of Drilling and Completion Operations:
Operations commenced 12-19-56
Spudded 12-21-56
Bottom of Cellar to ground level 4.65'
Ground level to Rotary Drive Bushing 9.15'
Elevation: Ground Level 3398'
Derrick Floor 3403'
Rotary Drive Bushing 3407'

8-5/8" casing set at 1509' w/800 sx. Pozmix #1 cement w/2% Calcium Chloride. Cement did not circ.
Ran Schlumberger Lateralog, Microlateralog, Self-Potential log & Gamma Ray Log w/tops:

Herington	2166'
Winfield	2224'
Topeka	3154'
Lansing	3488'
Missouri	3618'
Des Moines	4272'
Morrow	4878'
Mississippi	5426'

5½" casing 5480' w/1300 sx. Pozmix #1 cement. 400 sx. below and 900 sx. above DV Multiple Stage Cementer. Permanent Bench Mark 11.06' above side outlets in 8-5/8" Braden Head.
Total Depth 5481'. Plugged Back Depth 5379'.

DST #1, 2164-2208'. Gas to surface in 10 min. 1 hour gauge 251 MCF/D. Recovered 360' gas cut mud. Initial flow 90#, final flow 110#. SIP 500#. Hydrostatic Head 990#.

DST #2, 3291-3344'. Weak blow, drying in 50 min. Tool closed 30 min. Recovered 60' gas cut mud. Initial flow 0, final 20#. SIP 530#. Initial Hydrostatic Head 1710#, Final 1630#.

DST #3, 4252-93'. Open 1 hr, closed 20 min. Weak blow for 20 min. Recovered 7' mud. Initial and final flow 20#. SIP 110#. Hydrostatic Head 1950#.

DST #4, 5079-5130'. Open 1 hr, closed 1/2 hr. Fair blow. Recovered 180' gas cut mud. Initial flow 60#, final flow 110#, SIP 740#, Hydrostatic Head 2460#.

DST #5, 5317-79'. Open 1 hr, closed 1/2 hr. Gas to surface in 9 min. 1 hr. gauge 1020 MCF/D. Recovered 270' Hvy. GCM. Final flow 210#. SIP 1340#. Hydrostatic Head 2500#.

DST #6, 5403-81'. Open 1 hr, closed 1/2 hr. Recovered 120' GCM w/brown stain. Initial flow 10#, final flow 40#. Hydrostatic Head 2650#.