FORM 23—4-40

STANOLIND OIL AND GAS COMPANY

BOTTOM-HOLE PRESSURE RECORD

LEASE C. Hayes WELL NO. 5 POOL Zenith DISTRICT Kansas

DATE RUN 5-3-41 TIME 2:11PM PULLED 5-3-41 TIME 3:11 PM SCALE 1700 LBS./2½ IN. CLOCK SPEED 8" HR. 1

WELL COMPLETED 2-25-38 ELEV. 1809 SAND Viola TOP SAND 3740 T. D. 3765

CASING 7 DEPTH 3740 TUBING 3 DEPTH 3543 A.P.I. GRAV. OIL _____ SP. GRAV. GAS _____

INACTIVE WELL: DATE SHUT IN 5-31-41 TIME _____ PRESENT PRESS. CASINGHEAD 500# TUBINGHEAD 500#

POTENTIALS: OIL 1454 WATER 0 GAS 1019M HOW PRODUCED Bo.H.P. Draw Down Pump

FLOWING WELL: LAST FORMATION PRESS. 948 DATE 5-5-41 PRESENT PRESS.: CASING _____ TUBING _____

DAILY RATE PRODUCTION WHILE RUNNING GAGE: OIL _____ WATER _____ B. S. _____ %

VOL. OF GAS, TRAP _____ INJECTED _____ FLOWING THRU _____ SIZE CHOKE _____

PUMPING WELL: WKG. BARREL, MAKE _____ SIZE _____ DEPTH _____ STDG. VALVE, MAKE _____ SIZE _____

TRAVELING VALVE, NO. CUPS _____ SIZE VALVE _____ LENGTH STROKE _____ STROKES PER MIN. _____

GAS ANCHOR, DESCRIPTION: _____

PRESSURE CHART: SCALE OFF PRESSURE, DEPTH AND TIME. NOTE THIS ON MARGIN, TOGETHER WITH ANY CHANGES IN CONDITIONS.

DEPTH OF TEST	3682	B. H. TEMP. AT TEST DEPTH - °F.	116
ELEVATION OF WELL	1809	FLUID GRADIENT - LBS./FT.	.245
ELEVATION OF TEST	1713	PRESSURE AT TEST DEPTH - LBS.	862
CORRECTION TO A DATUM PLANE OF	-1900	FLUID GRADIENT CORRECTION	+46
DIFFERENCE FROM DATUM PLANE (±)	+ 187	TEMPERATURE CORRECTION	- -
CALIBRATION TEMP. OF ELEMENT	116	CORRECT PRESSURE AT DATUM PLANE	908

REMARKS: RECORD IMPORTANT DATA NOT GIVEN ABOVE. DESCRIBE PURPOSE OF AND METHOD OF MAKING TEST, INTERPRET CHART AND DRAW CONCLUSIONS. CONTINUE ON SEPARATE SHEET IF NECESSARY.

Static Survey - June 1941
Fluid level 2970' below surface

-1613' - - 813#
-1913' - - 862#

Computed from Zenith Calibration
Decrease of 54 PSI during May

TEST RUN BY J. B. Simpson CAR NO. 2213 BOMB NO. 2873 ELEMENT NO. 2994

FORM 23—4-40

STANOLIND OIL AND GAS COMPANY

BOTTOM-HOLE PRESSURE RECORD

LEASE C. Hayes WELL NO. [redacted] POOL Zenith DISTRICT Kansas

DATE RUN 7-1-41 TIME 2:00 PM PULLED 7-1-41 TIME 3:30 PM SCALE 1700 LBS./2½ IN. CLOCK SPEED 8" HR. 3

WELL COMPLETED 3-27-39 ELEV. 1809 SAND Misener TOP SAND 3740 T. D. 3765

CASING 7 DEPTH 3740 TUBING 3 DEPTH 3522 A.P.I. GRAV. OIL _____ SP. GRAV. GAS _____

INACTIVE WELL: DATE SHUT IN 6-29-41 TIME _____ PRESENT PRESS. CASINGHEAD 500# TUBINGHEAD 500#

POTENTIALS: OIL 1454 WATER 0 GAS 1019 M HOW PRODUCED B. H. P. Draw Down Test

FLOWING WELL: LAST FORMATION PRESS. 908 DATE 6-3-41 PRESENT PRESS.: CASING _____ TUBING _____

DAILY RATE PRODUCTION WHILE RUNNING GAGE: OIL _____ WATER _____ B. S. _____ %

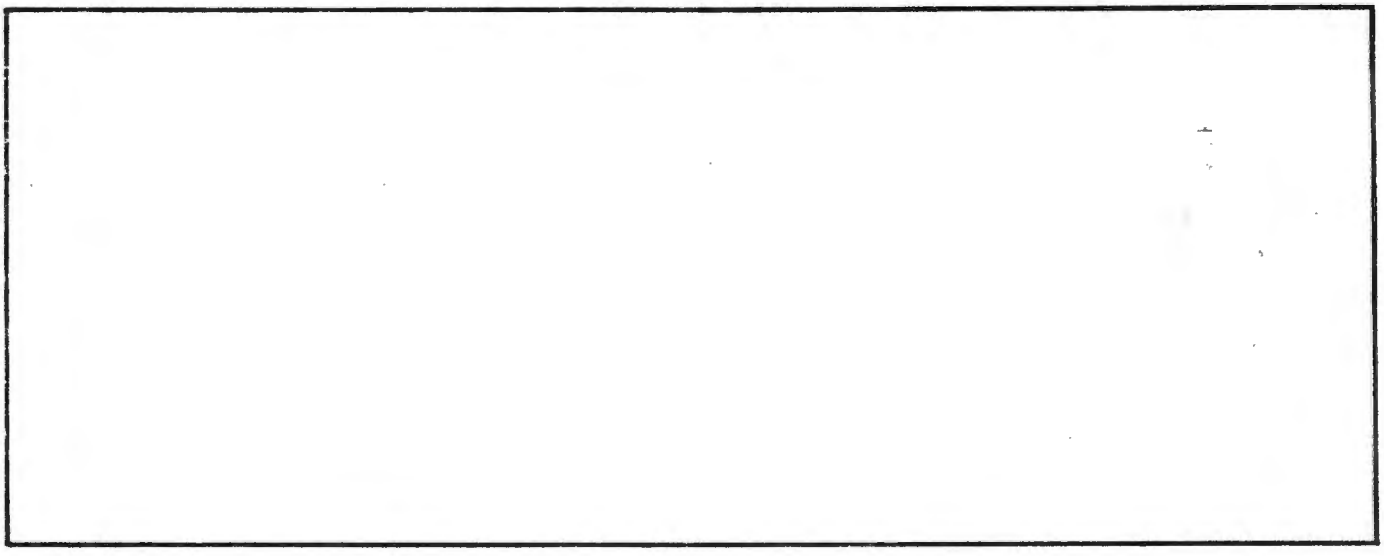
VOL. OF GAS, TRAP _____ INJECTED _____ FLOWING THRU _____ SIZE CHOKE _____

PUMPING WELL: WKG. BARREL, MAKE _____ SIZE _____ DEPTH _____ STDG. VALVE, MAKE _____ SIZE _____

TRAVELING VALVE, NO. CUPS _____ SIZE VALVE _____ LENGTH STROKE _____ STROKES PER MIN. _____

GAS ANCHOR, DESCRIPTION: _____

PRESSURE CHART: SCALE OFF PRESSURE, DEPTH AND TIME. NOTE THIS ON MARGIN, TOGETHER WITH ANY CHANGES IN CONDITIONS.



DEPTH OF TEST	3522	B. H. TEMP. AT TEST DEPTH - °F.	114
ELEVATION OF WELL	1809	FLUID GRADIENT - LBS./FT.	.08
ELEVATION OF TEST	-1713	PRESSURE AT TEST DEPTH - LBS.	857
CORRECTION TO A DATUM PLANE OF	-1900	FLUID GRADIENT CORRECTION	+ 11
DIFFERENCE FROM DATUM PLANE (±)	+ 187	TEMPERATURE CORRECTION	--
CALIBRATION TEMP. OF ELEMENT	116	CORRECT PRESSURE AT DATUM PLANE	868

REMARKS: RECORD IMPORTANT DATA NOT GIVEN ABOVE. DESCRIBE PURPOSE OF AND METHOD OF MAKING TEST, INTERPRET CHART AND DRAW CONCLUSIONS. CONTINUE ON SEPARATE SHEET IF NECESSARY.

Static Survey -- July 1941
Fluid level -- none

-1514' -- 845#
-1714' -- 857#

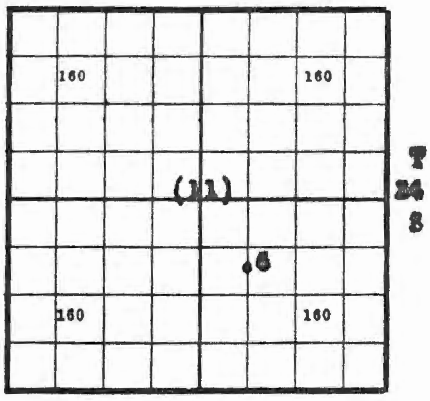
Computed from Zenith Calibration
Decrease of 40 P S I during June

TEST RUN BY J. B. Simpson CAR NO. 2213 BOMB NO. 2575 ELEMENT NO. 2994

FORM 90—12-39 *File*

640 Acres

N R-11-W



Locate Well Correctly

STANOLIND OIL AND GAS COMPANY

SUPPLEMENTAL WELL RECORD

COUNTY Stafford, SEC. 11, TWP. 24S, RGE. 11W

COMPANY OPERATING Stanolind Oil & Gas Company

OFFICE ADDRESS P. O. Box No. 591 Tulsa, Oklahoma

FARM NAME C. E. Hayes WELL NO. 5

DRILLING STARTED 7-28- 19 41, DRILLING FINISHED 7-30- 19 41,

WELL LOCATED ___ ¼ ___ ¼ SE ¼ 1630 ft. North of South

Line and 660 ft. East of West Line of Quarter Section.

ELEVATION (Relative to sea level) DERRICK FLR. 1809 GROUND 1806

CHARACTER OF WELL (Oil, gas or dry hole) Oil

OIL OR GAS SANDS OR ZONES

	Name	From	To		Name	From	To
1	*Viola Lime*	*3765*	*3800*	4			
2				5			
3				6			

WATER SANDS

	Name	From	To	Water Level		Name	From	To	Water Level
1					4				
2					5				
3					6				

CASING RECORD

Size	Wt.	Thds.	Make	Amount Set Ft.	Amount Set In.	Amount Pulled Ft.	Amount Pulled In.	Packer Record Size	Packer Record Length	Packer Record Depth Set	Packer Record Make

Liner Record: Amount ___ Kind ___ Top ___ Bottom ___

CEMENTING AND MUDDING RECORD

Size	Amount Set Feet	Amount Set In.	Sacks Cement	Chemical Gal.	Chemical Make	Method Cementing	Amount	Mudding Method	Results (See Note)

NOTE: What method was used to protect sands when outer strings were pulled? ___

NOTE Were bottom hole plugs used? ___ If so, state kind, depth set and results obtained ___

TOOLS USED

Rotary tools were used from 3765 feet to 3800 feet, and from ___ feet to ___

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

Type Rig 76' steel

PRODUCTION DATA

After acidizing - flowing test through 2" choke, ½ open, averaged 78 BOPH, no water, for 2 hours. Potential 3407 bbls. of oil, no water. Flowed 165 bbls. of oil in 2 hours. Allowable 55.60 BPD.

Production first 24 hours ___ Gravity ___ Emulsion ___ per cent, Water ___ per cent

Production second 24 hours ___, Emulsion ___ per cent., Water ___ per cent

If gas well, cubic feet per 24 hours ___ Rock Pressure, lbs. per square inch ___

I, the undersigned, being first duly sworn upon oath, state that this well record is true, correct and complete according to the records of this office and to the best of my knowledge and belief.

[signature] Ass't Field Sup't.

Name and Title

Subscribed and sworn to before me this the 27th day of August, 19 41.

My commission expires September 16, 1942

[signature]

Notary Public.

FORMATION RECORD

Give detailed description and thickness of all formations drilled through and contents of sand, whether dry, water, oil or gas.

Formation	Top	Bottom
Total Depth	3765	
Remarks		
Fine, crystalline, dolomite with no show of oil.	3765	3767
Fine, crystalline, gray dolomite, slightly cherty. Very slight show of oil.	3767	3769
Fine, crystalline, light gray dolomite. No show of oil.	3769	3772
Coarse, crystalline, gray limestone. No show.	3772	3774
Gray limestone. No show.	3774	3775
Coarse, crystalline, pink-gray limestone. No show.	3775	3778
Coarse, crystalline, gray lime. No show of oil.	3778	3780
Core No. 1 Rec. 2'	3780	3782
Coarse, crystalline, light gray lime, dense. No show.		
Core No. 2 Rec. 2'	3782	3784
Coarse, crystalline, gray lime. Streaked gray chert at base, dense. No show.		
Core No. 3 Rec. 2'	3784	3788
Gray dolomite with streaks of blue - gray chert at top. Very slight show of oil.		
Core No. 4 Rec. 2'	3788	3791
Fine, crystalline, gray dolomite; slightly limy in streaks with streaked blue-gray chert at base. Fair porosity. 3790 -- 3791. Slight show of oil, throughout.		
Core No. 5 Rec. 2'	3791	3797
Fine, crystalline, gray dolomite with few streaks of bluish-gray chert. Little porosity. Fair show of oil.		
Core No. 6 Rec. 1' 6"	3797	3800
Fine, crystalline, gray dolomite; slightly limy, with some blue - gray mottled chert at top, and streaks of fine crystalline tan lime at base. Core is dense with no show of oil.		
Total Depth	3800	

Formation	Top	Bottom
Acid Treatment		
Acidized with 3000 gallons of Polarized Acid. Max. pressure 200 . Formation took acid in 25 minutes. After removing load oil and acid, flowing test, through 2" choke, 1/2 open, averaged 78 BOPH, no water, for 2 hours.		
Bottom Hole Pressure Bomb Potential		
3607 bbls. of oil, no water, taken August 1, 1941. Flowing through 2" choke, 1/2 open, 2" tubing, 7" casing; flowing pressure on tubing 40#, casing 375#. Flowed 165 bbls. of oil in 4 hours. Allowable 60.60 BPD. Before workover potential was 1404 bbls. and daily allowable 26.48 bbls.		
Date of first work	7-25-41	
Date drilling started	7-28-41	
Date drilling completed	7-30-41	
Date well completed	7-30-41	
Date official potential effective	8- 1-41	

Form 23 2-38

STANOLIND OIL AND GAS COMPANY

BOTTOM-HOLE PRESSURE RECORD

LEASE C. Hayes WELL NO. 8 POOL Zenith DISTRICT Kansas

DATE RUN 3-29-39 TIME 7140 PULLED 3-29-39 TIME 4140 SCALE 1500 LBS./2½ IN. CLOCK SPEED 24 HR.

WELL COMPLETED 3-27-39 ELEV. 1809 SAND Elsener TOP SAND 3740 T. D. 3765

CASING 7" OD DEPTH 3740 TUBING 3" DEPTH 35 25 A.P.I. GRAV. OIL ____ SP. GRAV. GAS ____

INACTIVE WELL: DATE SHUT IN 3-27-39 TIME 6:30 PM PRESENT PRESS. CASINGHEAD ____ TUBINGHEAD ____

POTENTIALS: OIL ____ WATER ____ GAS ____ HOW PRODUCED ____

FLOWING WELL: LAST FORMATION PRESS. Initial Test - New Well DATE ____ PRESENT PRESS.: CASING 240 TUBING 260

DAILY RATE PRODUCTION WHILE RUNNING GAGE: OIL 37.07 bbl/Hr WATER 0 B. S. 0 %

VOL. OF GAS, TRAP 26,000 # INJECTED None FLOWING THRU Tbg. SIZE CHOKE 1"

PUMPING WELL: WKG. BARREL, MAKE ____ SIZE ____ DEPTH ____ STDG. VALVE, MAKE ____ SIZE ____

TRAVELING VALVE, NO. CUPS ____ SIZE VALVE ____ LENGTH STROKE ____ STROKES PER MIN. ____

GAS ANCHOR, DESCRIPTION: ____

PRESSURE CHART: SCALE OFF PRESSURE, DEPTH AND TIME. NOTE THIS ON MARGIN, TOGETHER WITH ANY CHANGES IN CONDITIONS.

Card in possession of State

DEPTH OF TEST	3522	B. H. TEMP. AT TEST DEPTH - °F.	116
ELEVATION OF WELL	1809	FLUID GRADIENT - LBS./FT.	0.34
ELEVATION OF TEST	-1713	PRESSURE AT TEST DEPTH - LBS.	1123
CORRECTION TO A DATUM PLANE OF	-1900	FLUID GRADIENT CORRECTION	63.6
DIFFERENCE FROM DATUM PLANE (±)	+ 187	TEMPERATURE CORRECTION	---
CALIBRATION TEMP. OF ELEMENT	118	CORRECT PRESSURE AT DATUM PLANE	1187

REMARKS: RECORD IMPORTANT DATA NOT GIVEN ABOVE. DESCRIBE PURPOSE OF AND METHOD OF MAKING TEST, INTERPRET CHART AND DRAW CONCLUSIONS. CONTINUE ON SEPARATE SHEET IF NECESSARY.

Corporation Commission Potential Test
Fluid level 650' below surface

-1513 - 1065
-1713 - 1123
Build up 165 PSI in 30 minutes
Productivity Index 1.76
Calculations from Zenith Calibration
Data on reverse side

TEST RUN BY D. L. Dooley CAR NO. 1537 BOMB NO. 2875 ELEMENT NO. 2996

(See Over)

Time	Tbg.	Csg	BHP	Oil Bbls/Hr	Gas Cu. Ft/Hr	Gas-Oil Ratio	Remarks
7:40							Bomb at 3322'
7:55							Bomb at 3522'
8:10	260	340	1187				Well opened 1½ turns
9:10	70	140		65.60			1 turn
10:10	70	160		43.35			3/4 turn
11:10	50	190		36.70			
12:10	70	230		35.47			
1:10	65	240	691	39.40			
2:10	60	260	688	36.74	26,000	702	
3:10	70	280	688	36.72			
4:10	65	300	682	35.41			Well shut in
4:40	130	370	865				Bomb removed
Last 4 hr. avg.			687	37.07	26,000	702	

$$\frac{1187 - 687}{1187-300} \times \frac{500}{887} = 56.4\%$$

56.4% = 61.2%

$$\frac{890}{.612} = 1454 \text{ bbls}$$

FORM 23—4-40

STANOLIND OIL AND GAS COMPANY
BOTTOM-HOLE PRESSURE RECORD

LEASE G. Hayes WELL NO. 5 POOL Zenith DISTRICT Kansas
DATE RUN 3-4-41 TIME 3:15P.M. PULLED 3-4-41 TIME 3:35P.M. SCALE 1700 LBS./2½ IN. CLOCK SPEED 3" HR.
WELL COMPLETED 3-27-39 ELEV. 1809 SAND Misener TOP SAND 3740 T. D. 3765
CASING 7" DEPTH 3740 TUBING 2" DEPTH 3823 A.P.I. GRAV. OIL ____ SP. GRAV. GAS ____

INACTIVE WELL: DATE SHUT IN 3-2-41 TIME 3:10P.M. PRESENT PRESS. CASINGHEAD 0 TUBINGHEAD 465
POTENTIALS: OIL 1454 WATER 0 GAS 1019M HOW PRODUCED [illegible] Draw Down Test

FLOWING WELL: LAST FORMATION PRESS. 1187 DATE 3-27-39 PRESENT PRESS.: CASING ____ TUBING ____
DAILY RATE PRODUCTION WHILE RUNNING GAGE: OIL ____ WATER ____ B. S. ____
VOL. OF GAS, TRAP ____ INJECTED ____ FLOWING THRU ____ SIZE CHOKE ____

PUMPING WELL: WKG. BARREL, MAKE ____ SIZE ____ DEPTH ____ STDG. VALVE, MAKE ____ SIZE ____
TRAVELING VALVE, NO. CUPS ____ SIZE VALVE ____ LENGTH STROKE ____ STROKES PER MIN. ____
GAS ANCHOR, DESCRIPTION: ____

PRESSURE CHART: SCALE OFF PRESSURE, DEPTH AND TIME. NOTE THIS ON MARGIN, TOGETHER WITH ANY CHANGES IN CONDITIONS.

DEPTH OF TEST	3823	B. H. TEMP. AT TEST DEPTH - °F.	114°
ELEVATION OF WELL	1809	FLUID GRADIENT - LBS./FT.	.375
ELEVATION OF TEST	-1713	PRESSURE AT TEST DEPTH - LBS.	875
CORRECTION TO A DATUM PLANE OF	-1900	FLUID GRADIENT CORRECTION	+51
DIFFERENCE FROM DATUM PLANE (±)	+187	TEMPERATURE CORRECTION	-
CALIBRATION TEMP. OF ELEMENT	118°	CORRECT PRESSURE AT DATUM PLANE	926

REMARKS: RECORD IMPORTANT DATA NOT GIVEN ABOVE. DESCRIBE PURPOSE OF AND METHOD OF MAKING TEST. INTERPRET CHAR AND DRAW CONCLUSIONS. CONTINUE ON SEPARATE SHEET IF NECESSARY.

Static Survey - March 1941
Fluid level 2280' below surface

-1513' - - 580#
-1713' - - 875#

Computed from Zenith Calibration

TEST RUN BY J. B. Simpson CAR NO. 2213 BOMB NO. 2973 ELEMENT NO. 2994

FORM 23—4-40

STANOLIND OIL AND GAS COMPANY

BOTTOM-HOLE PRESSURE RECORD

LEASE C. Hayes WELL NO. 6 POOL Zenith DISTRICT Kansas

DATE RUN 4-2-41 TIME 3:05PM PULLED 4-3-41 TIME 3:25PM SCALE 1700 LBS./2½ IN. CLOCK SPEED 2* HR.

WELL COMPLETED 3-27-39 ELEV. 1805 SAND Kinsler TOP SAND 3740 T. D. 3768

CASING 7" DEPTH 3740 TUBING 3" DEPTH 3522 A.P.I. GRAV. OIL SP. GRAV. GAS

INACTIVE WELL: DATE SHUT IN 3-30-41 TIME 3:20PM PRESENT PRESS. CASINGHEAD 500# TUBINGHEAD 450

POTENTIALS: OIL 1454 WATER 0 GAS 1019M HOW PRODUCED B.H.P. from Town Test

FLOWING WELL: LAST FORMATION PRESS. 926 DATE 3-4-41 PRESENT PRESS.: CASING TUBING

DAILY RATE PRODUCTION WHILE RUNNING GAGE: OIL WATER B. S.

VOL. OF GAS, TRAP INJECTED FLOWING THRU SIZE CHOKE

PUMPING WELL: WKG. BARREL, MAKE SIZE DEPTH STDG. VALVE, MAKE SIZE

TRAVELING VALVE, NO. CUPS SIZE VALVE LENGTH STROKE STROKES PER MIN.

GAS ANCHOR, DESCRIPTION:

PRESSURE CHART: SCALE OFF PRESSURE, DEPTH AND TIME. NOTE THIS ON MARGIN, TOGETHER WITH ANY CHANGES IN CONDITIONS.

DEPTH OF TEST	3522 / 1809	B. H. TEMP. AT TEST DEPTH - °F.	114° / .335
ELEVATION OF WELL	-1718	FLUID GRADIENT - LBS./FT.	882
ELEVATION OF TEST	-1900	PRESSURE AT TEST DEPTH - LBS.	#61
CORRECTION TO A DATUM PLANE OF	#167	FLUID GRADIENT CORRECTION	--
DIFFERENCE FROM DATUM PLANE (±)	116°	TEMPERATURE CORRECTION	943
CALIBRATION TEMP. OF ELEMENT		CORRECT PRESSURE AT DATUM PLANE	

REMARKS: RECORD IMPORTANT DATA NOT GIVEN ABOVE. DESCRIBE PURPOSE OF AND METHOD OF MAKING TEST, INTERPRET CHA AND DRAW CONCLUSIONS. CONTINUE ON SEPARATE SHEET IF NECESSARY.

Static Survey - April 1941
Fluid level 2150' below surface

-1700' -- 817#
-1900' -- 882#

Computed from Zenith Calibration
Increase of 17 PSI during March

J. B.

TEST RUN BY J. B. Simpson CAR NO. 2213 BOMB NO. 2273 ELEMENT NO. 2396

FORM 23—4-40

STANOLIND OIL AND GAS COMPANY

BOTTOM-HOLE PRESSURE RECORD

LEASE C. Hayes WELL NO. 5 POOL Zenith DISTRICT Kansas

DATE RUN 5-5-41 TIME 2:18Pm PULLED 5-5-41 TIME 2:38 PM SCALE 1700 LBS./2½ IN. CLOCK SPEED 2" HR. 3

WELL COMPLETED 2-27-39 ELEV. 1809 SAND Misener TOP SAND 3740 T. D. 3765

CASING 7 DEPTH 3740 TUBING 2 DEPTH 3523 A.P.I. GRAV. OIL _____ SP. GRAV. GAS _____

INACTIVE WELL: DATE SHUT IN 4-30-41 TIME _____ PRESENT PRESS. CASINGHEAD 500# TUBINGHEAD 500#

POTENTIALS: OIL 1454 WATER 0 GAS 1019 M HOW PRODUCED B.H.P. Draw Down Test

FLOWING WELL: LAST FORMATION PRESS. 948 DATE 4-2-41 PRESENT PRESS.: CASING _____ TUBING _____

DAILY RATE PRODUCTION WHILE RUNNING GAGE: OIL _____ WATER _____ B. S. _____%

VOL. OF GAS, TRAP _____ INJECTED _____ FLOWING THRU _____ SIZE CHOKE _____

PUMPING WELL: WKG. BARREL, MAKE _____ SIZE _____ DEPTH _____ STDG. VALVE, MAKE _____ SIZE _____

TRAVELING VALVE, NO. CUPS _____ SIZE VALVE _____ LENGTH STROKE _____ STROKES PER MIN. _____

GAS ANCHOR, DESCRIPTION: _____

PRESSURE CHART: SCALE OFF PRESSURE, DEPTH AND TIME. NOTE THIS ON MARGIN, TOGETHER WITH ANY CHANGES IN CONDITIONS.

DEPTH OF TEST	3522	B. H. TEMP. AT TEST DEPTH - °F.	114°
ELEVATION OF WELL	1809	FLUID GRADIENT - LBS./FT.	.05
ELEVATION OF TEST	-1713	PRESSURE AT TEST DEPTH - LBS.	933
CORRECTION TO A DATUM PLANE OF	-1900	FLUID GRADIENT CORRECTION	+ 9
DIFFERENCE FROM DATUM PLANE (±)	+187	TEMPERATURE CORRECTION	--
CALIBRATION TEMP. OF ELEMENT	116°	CORRECT PRESSURE AT DATUM PLANE	942

REMARKS: RECORD IMPORTANT DATA NOT GIVEN ABOVE. DESCRIBE PURPOSE OF AND METHOD OF MAKING TEST, INTERPRET CHAR AND DRAW CONCLUSIONS. CONTINUE ON SEPARATE SHEET IF NECESSARY.

Static Survey - May 1941
Fluid Level - None

-1513' -- 933#
-1713' -- 933#

Computed from Zenith Calibration
Decrease of 1 PSI During April

TEST RUN BY J.B.Simpson CAR NO. 2213 BOMB NO. 2872 ELEMENT NO. 3994

FORM 23—4-40

STANOLIND OIL AND GAS COMPANY

BOTTOM-HOLE PRESSURE RECORD

LEASE C. Hayes WELL NO. 5 POOL Zenith DISTRICT Kansas

DATE RUN 9/1/41 TIME 5:00PM PULLED 9/1/41 TIME 5:30PM SCALE 1700 LBS./2½ IN. CLOCK SPEED 1/4" HR. 24

WELL COMPLETED 3/27/39 ELEV. 1809 SAND Misener TOP SAND 3740 T. D. 3765

CASING 7 DEPTH 3740 TUBING 3 DEPTH 3523 A.P.I. GRAV. OIL _____ SP. GRAV. GAS _____

INACTIVE WELL: DATE SHUT IN 8/30/41 TIME _____ PRESENT PRESS. CASINGHEAD 0 TUBINGHEAD 310

POTENTIALS: OIL 3407 WATER 0 GAS NG HOW PRODUCED BHP Draw Down Test

FLOWING WELL: LAST FORMATION PRESS. 890 DATE 8/4/41 PRESENT PRESS.: CASING _____ TUBING _____

DAILY RATE PRODUCTION WHILE RUNNING GAGE: OIL _____ WATER _____ B. S. _____ %

VOL. OF GAS, TRAP _____ INJECTED _____ FLOWING THRU _____ SIZE CHOKE _____

PUMPING WELL: WKG. BARREL, MAKE _____ SIZE _____ DEPTH _____ STDG. VALVE, MAKE _____ SIZE _____

TRAVELING VALVE, NO. CUPS _____ SIZE VALVE _____ LENGTH STROKE _____ STROKES PER MIN. _____

GAS ANCHOR, DESCRIPTION: _____

PRESSURE CHART: SCALE OFF PRESSURE, DEPTH AND TIME. NOTE THIS ON MARGIN, TOGETHER WITH ANY CHANGES IN CONDITIONS.

DEPTH OF TEST	3709	B. H. TEMP. AT TEST DEPTH - °F.	116
ELEVATION OF WELL	1809	FLUID GRADIENT - LBS./FT.	335
ELEVATION OF TEST	-1900	PRESSURE AT TEST DEPTH - LBS.	876
CORRECTION TO A DATUM PLANE OF	-1900	FLUID GRADIENT CORRECTION	--
DIFFERENCE FROM DATUM PLANE (±)	--	TEMPERATURE CORRECTION	--
CALIBRATION TEMP. OF ELEMENT	116	CORRECT PRESSURE AT DATUM PLANE	876

REMARKS: RECORD IMPORTANT DATA NOT GIVEN ABOVE. DESCRIBE PURPOSE OF AND METHOD OF MAKING TEST, INTERPRET CHART AND DRAW CONCLUSIONS. CONTINUE ON SEPARATE SHEET IF NECESSARY.

Static Survey - September 1941
Fluid level 2385' below surface

-1700' = 809#
-1900' = 876#

Computed from Zenith Calibration
Decrease of 14 PSI during August

J. B. Simpson 2212 2873 2884

TEST RUN BY _____ CAR NO. _____ BOMB NO. _____ ELEMENT NO. _____

FORM 23—4-40

STANOLIND OIL AND GAS COMPANY

BOTTOM-HOLE PRESSURE RECORD

LEASE C. Hayes WELL 5 FIELD Zenith DISTRICT Kansas

DATE RUN 7-6-42 TIME 1:55 p.m. PULLED 7-8-42 TIME 2:15 p.m. SCALE 1500 LBS/2½ IN. CLOCK SPEED 2" HR. 3

WELL COMPLETED 7-27-39 ELEV. 1809 SAND Mis.-Viola TOP SAND 3740 T. D. 3800

CASING 7" DEPTH 3740 TUBING 3 DEPTH 3739 A.P.I. GRAV. OIL _____ SP. GRAV. GAS _____

INACTIVE WELL: DATE SHUT IN 7-4-42 TIME 12:05 p.m. PRESENT PRESS. CASINGHEAD 4379 NG TUBINGHEAD 440

POTENTIALS: OIL 0 WATER _____ GAS 600/1 HOW PRODUCED Flowing

FLOWING WELL: LAST FORMATION PRESS. 754 DATE 4-4-42 PRESENT PRESS.: CASING _____ TUBING _____

DAILY RATE PRODUCTION WHILE RUNNING GAGE: OIL _____ WATER _____ B. S. _____ %

VOL. OF GAS, TRAP _____ INJECTED _____ FLOWING THRU _____ SIZE CHOKE _____

PUMPING WELL: WKG. BARREL, MAKE _____ SIZE _____ DEPTH _____ STDG. VALVE, MAKE _____ SIZE _____

TRAVELING VALVE, NO. CUPS _____ SIZE VALVE _____ LENGTH STROKE _____ STROKES PER MIN. _____

GAS ANCHOR, DESCRIPTION: _____

PRESSURE CHART: SCALE OFF PRESSURE, DEPTH AND TIME. NOTE THIS ON MARGIN, TOGETHER WITH ANY CHANGES IN CONDITIONS.

DEPTH OF TEST	3709	B. H. TEMP. AT TEST DEPTH - °F.	116°
ELEVATION OF WELL	1809	FLUID GRADIENT - LBS./FT.	.145
ELEVATION OF TEST	-1900	PRESSURE AT TEST DEPTH - LBS.	691
CORRECTION TO A DATUM PLANE OF	-1900	FLUID GRADIENT CORRECTION	
DIFFERENCE FROM DATUM PLANE (±)	0	TEMPERATURE CORRECTION	
CALIBRATION TEMP. OF ELEMENT	116°F	CORRECT PRESSURE AT DATUM PLANE	691

REMARKS: RECORD IMPORTANT DATA NOT GIVEN ABOVE. DESCRIBE PURPOSE OF AND METHOD OF MAKING TEST, INTERPRET CHAR AND DRAW CONCLUSIONS. CONTINUE ON SEPARATE SHEET IF NECESSARY.

Static B.H.P. Survey - July, 1942
No fluid level indication

-1700' - 668#
-1900' - 691#

Computed from Zenith calibration

TEST RUN BY H. C. Gleason CAR NO. 2286 BOMB NO. 2873 ELEMENT NO. 2994

FORMATION RECORD

Give detailed description and thickness of all formations drilled through and contents of sand, whether dry, water, oil or gas.

Formation	Top	Bottom
Sand and clay	0	265
Red rock	265	505
Anhydrite	505	530
Red rock	530	565
Shale	565	890
Shale and sand	890	1240
Shale and lime	1240	1470
Sandy lime and shale	1470	1590
Broken lime and shale	1590	2140
Shale	2140	2760
Broken lime and shale	2760	2860
Shale	2860	2870
Lime	2870	2985
Broken lime	2985	3065
Lime	3065	3125
Broken lime	3125	3165
Lime and shale	3165	3230
Shale	3230	3336
Shale and lime	3336	3405
Lime	3405	3605
Shale	3605	3635
Lime	3635	3690
Shale	3690	3740
Lime	3740	3750
Sandy lime	3750	3753
Sand	3753	3764
Shale	3764	3764½
Lime (Viola)	3764½	3765
T. D.		3765

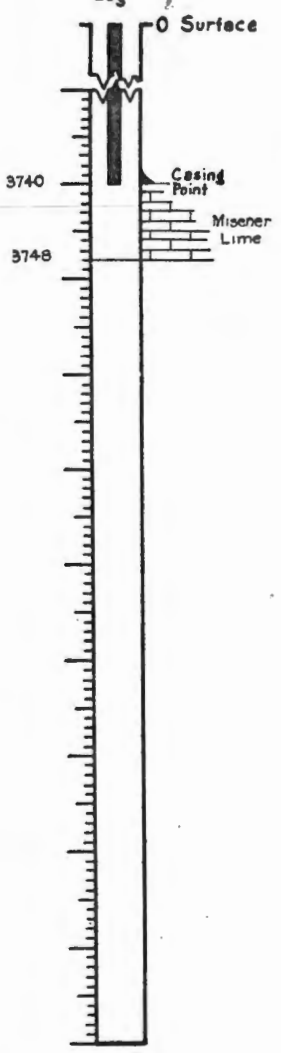
CORE RECORD

Core No. 1 - 3734-3746	8' recovery	
shale, red and green	3734	3740
lime, cherty, hard, low porosity, some scattered shows of oil	3740	3746
Core No. 2 - 3746-3748	1' recovery	
lime, dense, slight show oil	3746	3748
Core No. 3 - 3748-3753	3' recovery	
lime, cherty, hard, dense,	3748	3750
sandy lime, hard, fine, dense, show of oil	3750	3753
Core No. 4 - 3753-3758	4' recovery	
sand, fine, light, show of oil	3753	3758
Core No. 5 - 3758-3761	3' recovery	
sand, coarse, dark, good show oil	3758	3761
Core No. 6 - 3761-3763	1½' recovery	
sand, coarse, dark, good show oil	3761	3763
Core No. 7 - 3763-3764	8' recovery	
sand, coarse, crystalline, very good show of oil	3763	3764
shale, green	3764	3764½
Lime, grey, dense, (Viola)	3764½	3765

Acidized with 2,000 gallons Dowell X acid
TD 3748

Date of first work	2-21-39
Date spudded	3-6-39
Date drilling complete	3-25-39
Date well complete	3-27-39
Date potential effective	3-29-39

FORM 88—6-38



STANOLIND OIL AND GAS COMPANY

ACID TREATMENT REPORT

Field Zenith
State Kansas
Date of Treatment 3-24-39

Lease C. E. Hays Well No. 5 Location SE/4 Sec. 11 T24S-R11W
Date Completed Incomplete Grav. Oil Base
Present Depth 3748 Horizon Misener From 3740 To 3748

Oil String:		Liner:		Tubing:	
Size	7" OD	Size	None	Size	None
Wt.	22#	Wt.		Wt.	
Cement	150 sacks	Seat			

Production:	Oil	Water	Gas
Total to date	1 bbl	None	Show
Initial			
Present	1/4 bbl per hour	None	Show

Formation Data: Cherty lime 3740-3746', lime, pink, dense, 3746-3748
Top of Misener Zone 3740'

Water Data: None

Clean out Record: None

Shooting Record: None

Previous Treatment: None

Remarks: Well to be drilled to Misener Sand

Acid Treatment:
Gallons 2,000
Kind Dowell X
Inhibitor Dowell
Equipment Dowell
Duration 58 minutes

Oil Added:
Before None
After 151 bbls flush

Oil Relieved:
Running Acid None
Displacing Acid None

Daily Production After Treatment

Days	Oil	Water	Gas
1st hr.	4/4 bbl	none	
2nd hr	2½ bbl	"	
3rd hr	42 bbls	"	
4th hr	2 bbls	"	
5th hr	33 bbls	"	

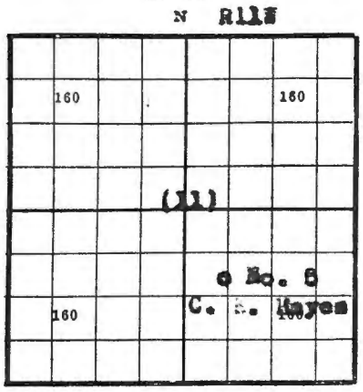
Log of Operations:

Time	Pressures Casing	Pressures Tubing	Barrels Fluid Added	Remarks
5:10 AM	0		0	Start Dowell X
5:20	15" Vac		24	1,000 gallons acid in
5:30	15" Vac		48	2,000 gallons acid in and start oil
6:55	200#		146	98 bbls oil in - full
7:04	700#		146	Breaking
7:07	600#		150	102 bbls oil in
7:20	550#		159	111 bbls oil in
7:41	650#		179	131 bbls oil in
7:57	600#		199	151 bbls oil in

Result of Treatment
(Over)

FORM 90—1M—12.37

640 Acres



Locate Well Correctly

T 24 S

STANOLIND OIL AND GAS COMPANY

WELL RECORD

COUNTY Stafford, SEC. 11, TWP. 24S, RGE. 11W

COMPANY OPERATING Stanolind Oil and Gas Company

OFFICE ADDRESS Box 591, Tulsa, Oklahoma

FARM NAME C. E. Hayes WELL NO. 5

DRILLING STARTED 3-5- 19 39, DRILLING FINISHED 3-25 19 39,

WELL LOCATED ¼ ¼ SE ¼ 1650 ft. North of South Line and 660 ft. East of West Line of Quarter Section.

ELEVATION (Relative to sea level) DERRICK FLR. 1309 GROUND 1306

CHARACTER OF WELL (Oil, gas or dry hole) Oil

OIL OR GAS SANDS OR ZONES

	Name	From	To		Name	From	To
1	Elsener Zone	3740	3764½	4			
2	Viola	3764½	3765	5			
3				6			

WATER SANDS

	Name	From	To	Water Level		Name	From	To	Water Level
1					4				
2					5				
3					6				

CASING RECORD

Size	Wt.	Thds.	Make	Amount Set Ft.	Amount Set In.	Amount Pulled Ft.	Amount Pulled In.	Packer Record Size	Packer Record Length	Packer Record Depth Set	Packer Record Make
10-3/4"	35.75	8	Nat'l	229	5	(Thread off - landed at 236')					
7" OD	22	8	Nat'l	3732	0	(Threads off - landed at 3740')					

Liner Record: Amount Kind Top Bottom

CEMENTING AND MUDDING RECORD

Size	Amount Set Feet	Amount Set In.	Sacks Cement	Chemical Gal.	Chemical Make	Method Cementing	Amount	Mudding Method	Results (See Note)
10-3/4"	232	8	230	Oilmax		Halliburton			
7" OD	3763	6"	150	Ashgrove		Halliburton			
	3740								

NOTE: What method was used to protect sands when outer strings were pulled?

NOTE Were bottom hole plugs used? If so, state kind, depth set and results obtained

TOOLS USED

Rotary tools were used from 0 feet to 3746 feet, and from feet to

Cable tools were used from 3746 feet to 3765 feet, and from feet to

Type Rig 94' Steel

PRODUCTION DATA

(Flow test thru casing) 1st hr. 85 bbl, 2nd hr. 52 bbls, 3rd hr. 58 bbl, 4th hr. 52 bbls, 5th 52 bb

Prod. 24 hours bbls. Gravity Emulsion per cent. Water Oil, no water per cent

B.H.P. potential 1454 bbls - (Production last 4 hrs. 148.27 bbls - 500 PSI draw-down)

Prod. 24 hours bbls. Gravity, Emulsion per cent., Water per cent

If gas well, cubic feet per 24 hours Rock Pressure, lbs. per square inch

I, the undersigned, being first duly sworn upon oath, state that this well record is true, correct and complete according to the records of this office and to the best of my knowledge and belief.

C B Snyder Production Foreman

Name and Title

Subscribed and sworn to before me this the 12 day of April, 1939

My commission expires September 14, 1942

L Young

Notary Public.

(See over)

FORM 23—4-40

STANOLIND OIL AND GAS COMPANY

BOTTOM-HOLE PRESSURE RECORD

LEASE C. Hayes WELL NO. 5 POOL Zenith DISTRICT Kansas

DATE RUN 4-4-42 TIME 3:50 P PULLED 4-4-42 TIME 4:10 P SCALE 1500 LBS./2½ IN. CLOCK SPEED 2" HR. 8

WELL COMPLETED 3-27-39 ELEV. 1809 SAND Mis-Viola TOP SAND 3800 T. D. 3765

CASING 7" DEPTH 3740 TUBING 3" DEPTH 3799 A.P.I. GRAV. OIL _____ SP. GRAV. GAS _____

INACTIVE WELL: DATE SHUT IN _____ TIME _____ PRESENT PRESS. CASINGHEAD NG TUBINGHEAD NG

POTENTIALS: OIL 4379 WATER 0 GAS 600/1 HOW PRODUCED BHP Draw Down Test.

FLOWING WELL: LAST FORMATION PRESS. _____ DATE _____ PRESENT PRESS.: CASING _____ TUBING _____

DAILY RATE PRODUCTION WHILE RUNNING GAGE: OIL _____ WATER _____ B. S. _____ %

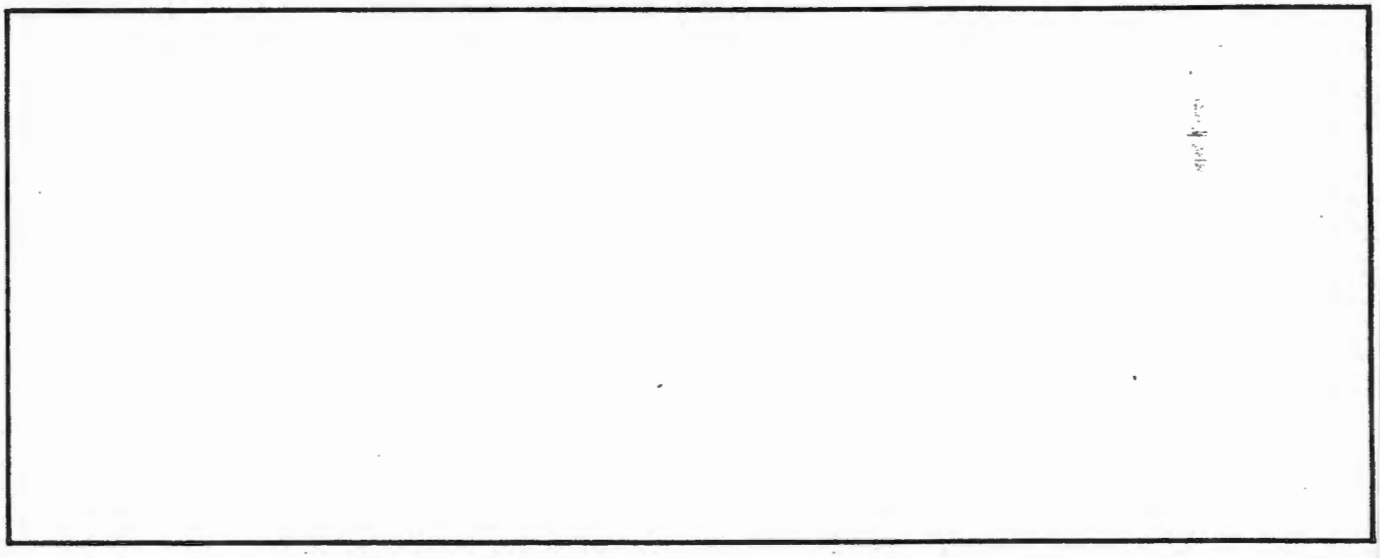
VOL. OF GAS, TRAP _____ INJECTED _____ FLOWING THRU _____ SIZE CHOKE _____

PUMPING WELL: WKG. BARREL, MAKE _____ SIZE _____ DEPTH _____ STDG. VALVE, MAKE _____ SIZE _____

TRAVELING VALVE, NO. CUPS _____ SIZE VALVE _____ LENGTH STROKE _____ STROKES PER MIN. _____

GAS ANCHOR, DESCRIPTION: _____

PRESSURE CHART: SCALE OFF PRESSURE, DEPTH AND TIME. NOTE THIS ON MARGIN, TOGETHER WITH ANY CHANGES IN CONDITIONS.



DEPTH OF TEST	3709	B. H. TEMP. AT TEST DEPTH - °F.	116
ELEVATION OF WELL	1809	FLUID GRADIENT - LBS./FT.	.295
ELEVATION OF TEST	-1900	PRESSURE AT TEST DEPTH - LBS.	754
CORRECTION TO A DATUM PLANE OF	-1900	FLUID GRADIENT CORRECTION	0
DIFFERENCE FROM DATUM PLANE (±)	--	TEMPERATURE CORRECTION	0
CALIBRATION TEMP. OF ELEMENT	116	CORRECT PRESSURE AT DATUM PLANE	754

REMARKS: RECORD IMPORTANT DATA NOT GIVEN ABOVE. DESCRIBE PURPOSE OF AND METHOD OF MAKING TEST, INTERPRET CHAR AND DRAW CONCLUSIONS. CONTINUE ON SEPARATE SHEET IF NECESSARY.

Static Survey - April, 1942

-1700' -- 695#
-1900' -- 754#

Computed from Zenith Calibration.

TEST RUN BY J. B. Simpson CAR NO. 2213 BOMB NO. 2872 ELEMENT NO. 2994

FORM 23—4-40

T.24 R.11W Sec.11

STANOLIND OIL AND GAS COMPANY

BOTTOM-HOLE PRESSURE RECORD

LEASE C. Hayes WELL NO. 6 POOL Zenith DISTRICT Kansas

DATE RUN 8-1-41 TIME 7:00 PULLED 8-1-41 TIME 3:40 SCALE 1700 LBS./2½ IN. CLOCK SPEED 1/4 HR. 24

WELL COMPLETED 8-27-39 ELEV. 1809 SAND Misener-Viola SAND 3740-3764 T. D. 3800

CASING 7 DEPTH 3740 TUBING 3 DEPTH 3799 A.P.I. GRAV. OIL ____ SP. GRAV. GAS ____

INACTIVE WELL: DATE SHUT IN 7-30-41 TIME 12:00 M PRESENT PRESS. CASINGHEAD 200 TUBINGHEAD 170

POTENTIALS: OIL 3407 WATER 0 GAS 11284 HOW PRODUCED Natural Restricted Flow

FLOWING WELL: LAST FORMATION PRESS. 868 DATE 7-1-41 PRESENT PRESS.: CASING 260 TUBING 40

DAILY RATE PRODUCTION WHILE RUNNING GAGE: OIL 968 WATER 0 B. S. - %

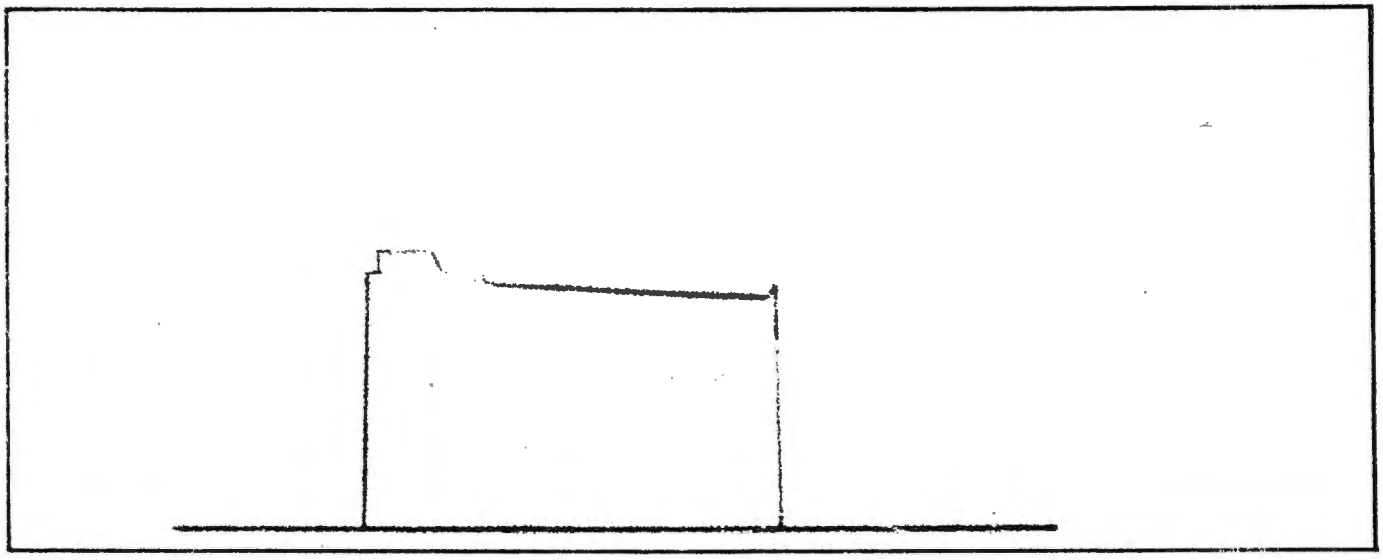
VOL. OF GAS, TRAP - INJECTED None FLOWING THRU 3"Tbg SIZE CHOKE 2"

PUMPING WELL: WKG. BARREL, MAKE ____ SIZE ____ DEPTH ____ STDG. VALVE, MAKE ____ SIZE ____

TRAVELING VALVE, NO. CUPS ____ SIZE VALVE ____ LENGTH STROKE ____ STROKES PER MIN. ____

GAS ANCHOR, DESCRIPTION: ____

PRESSURE CHART: SCALE OFF PRESSURE, DEPTH AND TIME. NOTE THIS ON MARGIN, TOGETHER WITH ANY CHANGES IN CONDITIONS.



DEPTH OF TEST	3799	B. H. TEMP. AT TEST DEPTH - °F.	116°
ELEVATION OF WELL	1809	FLUID GRADIENT - LBS./FT.	.380
ELEVATION OF TEST	-1990	PRESSURE AT TEST DEPTH - LBS.	924
CORRECTION TO A DATUM PLANE OF	-1900	FLUID GRADIENT CORRECTION	-34
DIFFERENCE FROM DATUM PLANE (±)	-90	TEMPERATURE CORRECTION	-
CALIBRATION TEMP. OF ELEMENT	116°	CORRECT PRESSURE AT DATUM PLANE	890

REMARKS: RECORD IMPORTANT DATA NOT GIVEN ABOVE. DESCRIBE PURPOSE OF AND METHOD OF MAKING TEST, INTERPRET CHART AND DRAW CONCLUSIONS. CONTINUE ON SEPARATE SHEET IF NECESSARY.

K.C.C. Potential Test after Deepening Job
Fluid Level 1875' Below Surface

-1790' -- 848#
-1990' -- 924#

Computed from Zenith Calibration of 7-30-41

TEST RUN BY ____ CAR NO. 3213 BOMB NO. 1873 ELEMENT NO. 2994

(See Over)

Time	Pressures CSG	TBG	B.H.P.	Production	Remarks
7:00 AM	300	170			Bomb at 3599
7:15	200	170			Bomb at 3799
7:30	-	-			Well would not flow steadily
9:30	-	-		63.45	Well open 2 rounds - flowing
10:00	20	40		10.80	
10:15	20	40		9.45	
10:30	20	40		12.15	Well open 1-3/4 rounds
11:30	235	45		43.40	
12:30	250	40	757	43.24	
1:30	275	40	751	40.54	
2:30	310	40	751	40.46	
3:30	345	40	744	40.46	
3:40	350	50			Well shut in Start out with bomb

Production Last 4 hours equal 164.66
Daily rate equal 6 x 164.66 equal 988 barrels per day

Static Pressures

-1790' -- 848
-1990' -- 924 Gradient equal $\frac{924-848}{200}$ equal $\frac{76}{200}$ equal 0.380

Gradient Correction equal 90 x .380 equal 34#

Static Press. at -1900' equal 924-34 equal 890 PSI

Flowing Pressures Last Four Hours
5th -- 757
6th -- 751
7th -- 751
8th -- 744
Total 3003

Aver. 751

$\frac{890-751}{890-300}$ equal $\frac{139}{590}$ equal 23.56% Corrected to State Graph equal 29.0 %

Ind. Cap equal $\frac{988}{0.29}$ equal 3407 barrels per day

Time	Tbg.	Csg	BHP	Oil Bbls/Hr	Gas Cu. Ft/Hr	Gas-Oil Ratio	Remarks
7:40							Bomb at 3382'
7:55							Bomb at 3522'
8:10	260	240	1187				Well opened 1½ turns
9:10	70	140		65.60			1 turn
10:10	70	160		43.35			3/4 turn
11:10	50	190		36.70			
12:10	70	230		35.47			
1:10	65	240	691	39.40			
2:10	60	260	688	36.74	26,000	702	
3:10	70	280	688	36.72			
4:10	65	300	682	35.41			Well shut in
4:40	130	370	865				Bomb removed
Last 4 hr. avg.			687	37.07	26,000	702	

$\frac{1187 - 687}{1187-300} = \frac{500}{887} = 56.4\%$

56.4% = 61.2%

$\frac{890}{.612} = 1454$ bbls

COMPUTATION OF POTENTIAL TEST

Lease C. Hayes Well No. 5 Field Zenith

Date of Test 12-18-41 Date Effective 12-18-41

10 hours pretest at high rate of 25.6 BBLS from 7: PM to 12-19-41 5: AM equals 256 barrels pretest

OIL PRODUCED ON STABILIZED RATES

High Rate	Barrels	Low Rate	Barrels
1st Hr.	27.00	1st Hr	8.10
2nd Hr	28.35	2nd Hr	13.50
3rd Hr	22.95	3rd Hr	10.80
4th Hr		4th Hr	
Total	78.30	Total	32.40

Depth of Test 3798

Top Production Formation 3740

Gradient Correction .320 lbs per ft

Flowing Pressure High rate 674 P.S.I. - 19 lbs. = 655 PSI

Flowing Pressure Low rate 738 P.S.I. - 19 lbs. = 719 PSI

$PI = \frac{626 - 259}{719 - 655} = \frac{367}{64} = 5.73$

Indicated Capacity = $5.73 \times 7.19 + 259 = 4379$ Bbls/Day

Static B.H.P. @ 3790 = 812 #/in²

Static B.H.P. @ Top of Formation = 812 - 19 = 793 #/in²

[illegible]

Lease and well No. C. Hayes #5 [illegible] 8-1-41

[illegible] 8-1-41

Static [illegible] (-1900') 890 [illegible] per sq. [illegible]

[illegible]

[illegible] 757

[illegible] 751

[illegible] 751

[illegible] 744

[illegible] 3003 [illegible] 751 [illegible] per. sq. in.

[illegible] 139 [illegible] per sq. in.

[illegible] 164.66 [illegible] of oil.

[illegible] 164.66 = 988 bbls. oil/day.

[illegible] $\frac{890 - 751}{890 - [illegible]}$ = $\frac{139}{590}$ = 23.56 [illegible]

23.56 % of available [illegible] = 29.0 [illegible] cap. (State Graph)

[illegible]

24 hour [illegible] 988

% of potential capacity 29.0

$\frac{988}{.290}$ = 3407 Indicated Capacit[illegible]

Subject to state correction 3000 Maximum Allowed.

READINGS

TIME	CASING	TUBING	REMARKS
10AM	0	None	St. Dowell X
:20	15"	"	1000 gal. Dowell X
:30	15"	"	2000 gal. X & St. oil
:55	200	"	98 Bbl. oil & Full
7:04	700	"	Breaking
7:07	600	"	102 Bbl. oil
7:20	550	"	111 ✓ ✓
7:41	650	"	131 ✓ ✓
7:57	600	"	151 ✓ ✓

EMARKS

REATER Jack Hampson

CASING MECHANICAL INTEGRITY TEST

DOCKET # E-12,893

Disposal [ ] Enhanced Recovery: S/2 NW SE, Sec 11, T 24S, R 11 E/W

Repressuring [x]
Flood [ ]
Tertiary [ ]

1650 Feet from South Section Line
1980 Feet from East Section Line

Date injection started _____
API #15 — — _____

Lease Hayes Well 5
County Stafford

Operator: Striker Petroleum Operator License # 8367
Name &
Address 5690 DTC Parkway, Suite 350 Contact Person John Swanson
Englewood, CO 80111 Phone 316-234-6806

Max. Auth. Injection Press. 1200 psi; Max. Inj. Rate 10,000 bbl/d;
If Dual Completion - Injection above production _____ Injection below production _____

	Conductor	Surface	Production	Liner	Tubing
Size		10 3/4"	7"	4 1/2"	Size 2"
Set at		232'	3740'	3704'	Set at 3679'
Cement Top		0'	3000'	2700'	Type Duoline
" Bottom		232'	3740'	3704'	

DV/Perf. _____ TD (and plug back) 3800 ft. depth
Packer type Baker RD 1-1 Size 4 1/2" x 2" Set at 3679
Zone of injection Missouri & Viola ft. to ft. 3732-37' Perf. or open hole Perfs & Open Hole

Type Mit: Pressure [X] Radioactive Tracer Survey [ ] Temperature Survey [ ]

FIELD DATA

Time: Start 10:00 am 0 Min. 15 Min. 30 Min.
Pressures: 500 500 500 Set up 1 | System Pres. during test 325#
Set up 2 | Annular Pres. during test 500
Set up 3 | Fluid loss during test 0 bbls.

Tested: Casing [ ] or Casing - Tubing Annulus [X]

The bottom of the tested zone is shut in with a packer

Test Date 6-6-86 Using Service Acid Company's Equipment

The operator hereby certifies that the zone between 0 feet and 3679 feet was the zone tested

Chip Swanson — Signature
Prod Supt — Title

The results were Satisfactory X, Marginal _____, Not Satisfactory _____

State Agent J. H. Metz Title P.I.R.T. II Witness: Yes X No ___

REMARKS: _____

RECEIVED
STATE CORPORATION COMMISSION
JUN 25 1986
CONSERVATION DIVISION
Wichita, Kansas

[ ] Orgin. Conservation Div.; [ ] KDHE/T; [ ] Dist. Office;
[ ] Computer Update

KCC Form U-7 6/84