

RYAN CONSOLIDATED PETROLEUM CORPORATION



REMARKS: Give Details as to Shale Partings (zone, thickness, etc. and how placed)

SET

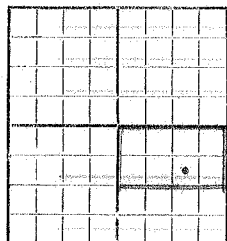
New Well Completion Record and Related Data

District South Central Kansas Lease Fred Couch Acres 80.5 Well No. 1

State Kansas County Cowley Sec. 13 Township 30S Range 5E AFE No. 222

Well Location SW/4 NE/4 SE/4 Selected by Whom Vic E Baum Elevation 1313.6 Gr

Reference Stake 2x6' LP 75' N & W of well, bet 2 trees; top of post is RTT level



Pmp'g Derrick None

All Meas. From ?

DF above Grd. 30"

Drlg. Commenced (R) 4/24/40

Drlg. Commenced (CT) 5/10/40

C. O. Commenced

DF to Bottom ?

of Cellar

RTT Above DF 17"

Drlg. Completed (R) 5/7/40

Drlg. Completed (CT) 5/18/40

C. O. Completed

Kelly Bshg. Above RTT ?

Drlg. Contr. Big West

Price per Ft. 2.75

Days Drlg. (R) 14

Days Drlg. (CT) 9

Days C. O.

Rotary From Surface To 2800 Cable Tool From 2800 To 2815 Method of Completion CT

VERTICAL TESTS		SIZE HOLE DRILLED		Formation Record	
Depth	Degree	Depth	Diam.	Producing Formation (Name)	Remarks: (Specify any Breaks in Producing Formation)
250	0	47	17 1/4	Top of Pay <u>2778</u>	
500	1	2800	11	Bottom of Pay <u>2815</u>	Shale, blk-wht 2800-2809
750	0	2815	7 3/4	Thickness <u>37</u>	Sand, oil 2809-2815
1000	0			Total Depth <u>2815</u>	
1250	2			Plugged Back	
1500	0				
1700	0				
2075	0				
2250	0				
2615	1				

Pump Pressure		Formation Tested		Acquired By		Formed		8 Casing (Casing)		Date	
From	To	Start	To	From	To	Csg. (Top) Collar Below D. Floor	Casing Mea. Less Thds.	Landing Nipple Above R. T. T.			
Date	Size	Wt.	Thds.	MAKE	Pipe Seat (From Derrick Floor)						
4/24/40	12 1/2	?	8	LW C2	47' 11"	5' 11"	42' 0"	?			
5/7/40	8 5/8	*	8	LW C2	2753.00	3.79'	2749.21'	?			

Remarks: *28# & 32#; collars btm 5 jts welded top & btm & top collar 40th jt frm btm, up, welded; F&G shoe, Baker dwn whirler, new, welded

12 1/2" = 2 jts; 8-5/8" = 130 jts. Protector welded for shoe.

Date		Size	Sacks Used	Kind	Plug Left At	Cement Found in Pipe At	Top of Cement Behind Casing	Cemented By	REMARKS:
4/24/40		12½	35	Incor	41	41	Surface	HOWCO	
5/7/40		8-5/8	40	Incor	2748	2849		HOWCO	
									Is Bottom of Cella Cemented? Yes

Remarks:

Is Bottom of Cellar Cemented? Yes

RYAN CONSOLIDATED MINING CORPORATION

Date	Size	Wt.	Length	SET	Top of Liner Up Inside Casing	Cemented (Sacks)	REMARKS: (Give Details as to Shoes, Perforations, Hanger, etc., and how placed)
4/13/40	80	302	302	From To	13		South Central Kansas
4/13/40	80	302	302	From To	13		Kansas County, Cowley

Remarks: 13' 13" N & W of well, bot 2 trees; top of coal is RT level

Date	Make	Size	Type	Kind	OUTLETS	Top Below Derrick Floor	REMARKS:
5/7/40	American Mfg Co	12 1/2 x 8-5/8	129A	FS	No. 2	3 8	Surface
							Vertical Tests

Date	Number Quarts	SHELLS	Top of Shot	Bottom of Shot	Length Anchor	Make of Bomb	Shot By	REMARKS:
		No. Size & Diam. or Dump						

Date	Quantity (Gallons)	Formula	Acidized By	Formation Treated	Pump Pressure
				From To	Start Finish

Date	Quantity (Gallons)	Formula	Acidized By	Formation Treated	Pump Pressure
				From To	Start Finish

Remarks: 284 & 324 collars bot 2 the welded top & bot & top collar 40th ft from bot, up welded; 180 shoe; Baker down white protector 130 ft. Protector 8-5/8" = 130 ft. 13' 13" N & W of well, bot 2 trees; top of coal is RT level

Shots	Drilled Deeper	Cleaned Out	Cemented (P. B.)	Acidized	Abandoned

Remarks: 13' 13" N & W of well, bot 2 trees; top of coal is RT level

Production Test Record

Date First Production 5/13/40, 8:40 PM

	Date	Corrected Gravity at 60 Degrees	PRODUCTION			Static Pres.	Draw Down Btm. Hole Pres. Bomb	FLOWED		SWABBED	METHOD PUMPED						Duration Hours
			Barrels		Cu. Ft. Gas			Pressure (Pounds)			Lgth. Stroke	SPM	Size Tbg.	Size Rds.	Plgr. Diam.	Pump Cap. 24 Hrs Less Stretch	
			Oil	Water				Csg.	Tbg.								
COMPLETION (1)	5/16/40	42.8@ 86°															
COMPLETION (2)																	
POTENTIAL (3)	5/16/40		109.34	3.00						X						8	
	6/15/40		186.34									3	7/8	2 3/4		8	
ROUTINE (4)	8/20/40		108.90	9.16							24	21	3	7/8	2 3/4	24	
	10/ 7/40																
	3/21/41		103.06	8.00	31.6	423					25	16	2	5/8	1 1/4	24	
	22		58.73	6.00	40.5	307/1										24	
	23		81.64	10.50	43.6	690/1 535/1										24	

LEGEND

- (1) Natural, Before Acid or Shot
 (2) After Acid or Shot
 (3) Officially Reported
 (4) Routine

(1) Natural, Before Acid or Shot
 (2) After Acid or Shot
 (3) Officially Reported
 (4) Routine

RYAN CONSOLIDATED PETROLEUM CORPORATION WELL OPERATION RECORD

SOUTH CENTRAL KANSAS
DISTRICT

F S COUCH
LEASE

1
WELL NO.

DATE	Prod. Hrs. Lost	No. Hrs. Wkd.	No. Man Hrs.	Job Classification	WORK DONE: MATERIAL REMOVED, INSTALLED OR REPAIRED
4/ 5/40	—	—	—	AFE	Cellar, 6'x6'x6' w/ sloping 16' runway, pine boarded new & btm cemented 2900# sand, 5 sx cement, (Atlas) 1 yd rock
24				Csg,	12½"OD x 42' (2 jts) 8 thd LW C-2 w/ collars welded top & btm & protector, welded, for shoe, cemented w/ 35 sx Incor- job by HOWCO
5/ 7/40					8-5/8" x 2749.21' (130 jts) 28 & 32# 8 thd LW C-2 w/ collars welded top & btm, btm 5 jts & top collar 40th jt frm btm, up, welded, cemented w/ 40 sx Incor- job by HOWCO
					P&G Shoe, Baker dwn whirler new, welded Bradenhd, 12½" 8 thd x 8 5/8" #120-A La-Pat w/ 2, 3" FP, new
16					Potential (CC) First Test- swbd, 8 hrs, 109.34 bbls: Official Potential allowed by CC, 246 bbls per day
17				Ld Ln,	3" x 218' C-2, laid & buried to 0/W Sepr
20				Tbgd,	7"OD OCT Type 16-C 3000# Test Series 600 C-2 w/ 3" stripper packoff rubber; 3" U&L rings w/ rubber ring pkg for do; 3" split top gland; 2, #45 matl ring gaskets & 3" slips new
				Tbg,	3" x 2749.40' (88 jts) 11½ thd 9.2# JNL Smls C-2
				Pump,	Mud Anchor 3"x31.50' C-2, BP'd w/ 3" x .94' 11½ thd 88 swage nip new, perf w/ ½"x4", 9. Btm perf 4.25' below top MA collar
					Standing Valve, 2 3/4" x 1.20' McKissic OS C-2 bleeder type
					Gas Anchor, 2"x16' C-2
				Wkg Sbl,	3"x10.57' Axelson lnr C-2 w/ 8, 3"x12" #1726 Reg CI & 2, 3"x12" #7006 belled lnrs new
					Ext Nips, 3"x3.13', 1.62', U&L, respt C-2, giving string a total of 2798.36', 94 pcs
				Plgr,	3"x48" #76 -2 plain, new
21				Rods,	7/8"x25' (109) Jones API Sucker C-2; pony 7/8"x2" new #59 Axelson; cplgs 7/8"x3/4" API B&B #7290 & 7/8"x3/4" API P&B #12827 Axelson new
					Polished, 1½"x15' Axelson Piston Steel, new
				Tbg,	Stfg bx, 3" Skinner Type A, comp w/ 1½" rubbers, new
				Ld Ln,	Pmpg Tee 3" 11½ thd Hercules w/ 2, 1"x3" nips; 1" L & 1" Fig 709 Walworth globe valve new

WELL RECORD

WELL NO. 1

LEASE Fred Conch

COMPANY Byers Consolidated Petroleum Corp. ACRES 40.5

RECORD COMPILED 3/20 19 40 BY CR

SEC. 13 TWP. 20 RGE. 5 COUNTY Comley STATE Kansas

SURVEY _____ BLOCK _____ SECTION _____

LOCATION SE of the NE of the SW

STAKED BY T. Michalor DATE 3/29/40 1940 ELEVATION 1314

RIG COMMENCED _____ 19__ COMPLETED _____ 19__ CONTR. _____

TOOLS	STARTED	COMPLETED	FROM	TO	CONTRACTOR
ROTARY	4/24/40	5/7/40	0	2800'	Big West Drllg Co
CABLE	5/10/40	5/18/40	2800	2815'	" " " "

COMPLETION METHOD Cable Tool

PRODUCTION DATA Potential, 8 hrs, 328.02 B/D

GAS WELL SHUT-IN PRESSURE _____ VOLUME _____ M. CU. FT.

(1) CASING AND TUBING RECORD

[illegible]

(2) ACIDIZING RECORD

DATE			
QUANTITY (GALS.)			
MAX. TUB. PR.			
MAX. CAS'G PR.			
BLANKET			
HOURS			
METHOD			

(3) PRODUCING METHODS

WELL FLOWING NATURAL FROM	19	TO	19
PRODUCED BY GAS LIFT —IN. TUBING FROM	19	TO	19
OTHER LIFTS			
PUT ON JACK/BEAM/UNIT			19

(4) **SAND RECORD**

	NAME	TOP	BOTTOM	THICKNESS	CONTENT	COLOR, HARD OR SOFT
OIL BEFORE						
OIL AFTER						
WATER BEFORE						
WATER AFTER						
DONE BY						

(CONTINUED)

1	CASING RECORD	7	PLUG BACK RECORD
2	ACIDIZING RECORD	8	PACKERS
3	PRODUCING METHOD	9	CLEANOUT RECORD
4	SAND RECORD	10	DEFLECTION
5	TORPEDO RECORD	11	PLUGGING RECORD
6	SWABBING RECORD	14	WELL LOG

STANDARD [399] IN STOCK AND FOR SALE BY
FORM MID-WEST PRINTING CO., TULSA

WELL RECORD (Continued)

WELL NO. 1

LEASE Fred Cough

(12) ADDITIONAL INFORMATION

(13) MATERIAL LOST IN HOLE

(14)

WELL LOG

FORMATION	FROM	TO	NO. OF FEET	DRILL. TIME	FORMATION	FROM	TO	NO. OF FEET	DRILL. TIME
Gravel	0	15	15		Shale & shells	2010	2085	75	
Line w/ strks shale	15	50	35		Shale	2085	2150	65	
Line brkn	50	100	50		Line	2150	2292	142	
Line & shale	100	140	40		Shale	2292	2296	4	
Brkn line, shale & shells	140	390	250		Line	2296	2385	89	
Line & shale	390	580	190		Shale	2385	2405	20	
Shale & shells	580	950	370		Line	2405	2436	31	
Line & shale	950	1125	175		Shale	2436	2470	34	
Line	1125	1320	195		Line & shale	2470	2530	60	
Shale & shells	1320	1360	40		Shale	2530	2534	4	
Line & shale	1360	1460	100		Line	2534	2605	71	
Line	1460	1480	20		Shale	2605	2655	50	
Shale & line shells	1480	1520	40		Line & shale	2655	2700	45	
Line w/ strks shale	1520	1650	130		Shale	2700	2753	53	
Line	1650	1700	50		Shale, sandy	2753	2761	8	
Shale	1700	1795	95		Sand, lite oil show	2761	2778	17	
Sand	1795	1815	20		Sand, brkn	2778	2780	2	
Shale	1815	1850	35		Shale, hard & sandy	2780	2787	7	
Line	1850	1873	23		Soft sand, showing oil	2787	2797	10	
Shale	1873	1920	47		Sand, hard	2797	2800	3	
Line brkn	1920	2010	90		Shale, blk showing				

WELL LOG—(Continued)

[illegible]