

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 6785
Name Robert Schulein
Address 1776 Lincoln St., #811
City/State/Zip Denver, Colorado 80203

Purchaser: National Cooperative Refinery Assoc
McPherson, Kansas

Operator Contact Person Robert Schulein
Phone 303-839-5495

Contractor: License # 5302
Name Red Tiger Drilling Company

Wellsite Geologist Macklin Armstrong
Phone (316) 722-5141

Designate Type of Completion

- New Well Re-Entry Workover
- Oil SWD Temp Abd
- Gas Inj Delayed Comp.
- Dry Other (Core, Water Supply etc.)

If OWWO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:

- Mud Rotary Air Rotary Cable

10/16/86 10/28/86 11-19-86
Spud Date Date Reached TD Completion Date
4,330' 3456'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 247.35 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated from feet depth to W/SX cmt

S API NO. 15-191-21,953 - 0000
County Summer
150' E of
C NW/4 SE/4 Sec. 8 Twp. 30S Rge. 3W East West

1980 Ft North from Southeast Corner of Section
1830 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

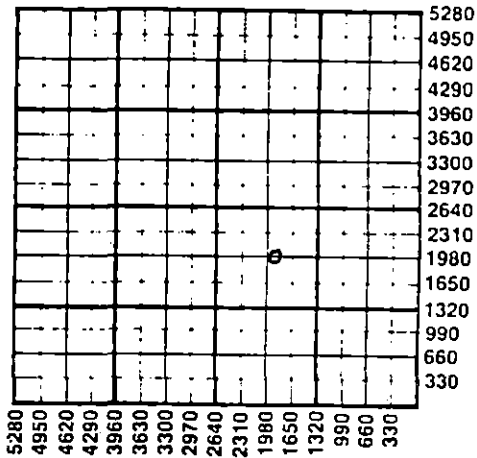
Lease Name Shinn Well # 10-8

Field Name Undesignated Leiby

Producing Formation Swope

Elevation: Ground 1364' KB 1369'

Section Plat



WATER SUPPLY INFORMATION
Disposition of Produced Water: Disposal Repressuring
Docket #

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #
 Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner of Sec Twp Rge East West
 Surface Water 800 Ft North from Southeast Corner (Stream, pond etc) 4000 Ft West from Southeast Corner Sec 8 Twp 3S Rge 3 East West
Steffen Farms, Conway Springs, Ks.
 Other (explain)
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 apply.
Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months.
One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature [Signature]
Title Operator Date 11-21-86

Subscribed and sworn to before me this 21st day of November 1986.
Notary Public Georgia D. Larson - 1776 Lincoln St., #811, Denver CO
Date Commission Expires July 3, 1988

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Time Log Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

Sec 2, Twp 30, Rge 3, W 4

SIDE TWO

Operator Name Robert Schulein Lease Name Shinn Well # 10-8

Sec. 8 Twp. 30S Rge. 3W County Summer
 East West

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

See attached page No. 3 for DST information.

Name	Top	Bottom	
	Sample	Log	Datum
White Cloud	2064	2064	(- 695)
Howard	2119	2120	(- 751)
Topeka	2258	2258	(- 889)
Heebner	2637	2637	(-1268)
Iatan	2905	2906	(-1537)
Stalnaker	2929	2928	(-1559)
Kansas City	3229	3228	(-1859)
Swope	3360	3362	(-1993)
Bs Kansas City	3442	3442	(-2073)
Marmaton	3524	3524	(-2155)
Cherokee	3657	3658	(-2289)
Mississippian	3834	3834	(-2465)
Kinderhook	4192	4192	(-2823)
Simpson	4278	4278	(-2909)
TD	4330	4330	(-2961)

DATE RECORDED

CASING RECORD New & Used
 Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs/Ft.	Setting Depth	Type of Cement	#Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"		256'	60/40 Poz	160	3% CC, 2% Gel
Production	7 7/8"	4 1/2"	10.5	3,508'	ASC	125	10 Bbl. Mid Flush

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2 spf	3364-3371'	Acidized w/250 gal 15% mud acid.	
		Acidized w/1000 gal 15% NE acid.	

TUBING RECORD Size 2-3/8" Set At OD EUE Packer at 2-3/8" X 12" Liner Run Yes No
108 jts, 3416' of tubing seating nipple w/2-3/8" X 16.4' perfd. mud anchor.

Date of First Production 11-19-86 Producing Method Flowing Pumping Gas Lift Other (explain).....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	100 Bbls	no excess gas MCF	none Bbls	CFPB	

METHOD OF COMPLETION

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)
 Used on Lease Dually Completed Commingled

Production Interval

3364-3371'

Schulein #10-8 Shinn
NW SE, Section 8-30S-3W
Sumner County, Kansas
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Drill Stem Test Information

- DST #1: 2907-2939': Open 30 minutes, strong blow off bottom of bucket in 45 seconds. Shut-in 60 minutes. Open 45 minutes, strong blow off bottom of bucket in 1 minute. Shut-in 90 minutes. Recovered 2170 feet of salt water with a scum of oil (73,000 chl). IHP 1447; IFP 265-800; ISIP 1183; FFP 854-1078; FSIP 1183; FHP 1415. Temp. 120°.
- DST #2: 3273-3318': Open 30 minutes, weak blow slowly building to 4 inches in bucket. Shut-in 60 minutes. Open 45 minutes, weak blow slowly building to 2 inches in bucket. Shut-in 90 minutes. Recovered 125 feet of muddy water with a scum of oil (26,000 chl). IHP 1864; IFP 53-63; ISIP 1215; FFP 74-85; FSIP 1204; FHP 1843. Temp. 114°.
- DST #3: 3352-3376': Open 30 minutes, strong blow off bottom of bucket in 2 minutes. Shut-in 60 minutes. Open 60 minutes, gas-to-surface immediately, too small to measure. Shut-in 90 minutes. Recovered 50 feet of muddy gassy oil (15% gas, 25% oil, 60% mud); 630 feet of froggy oil (43% gas, 45% oil, 5% mud, 8% water); 65 feet of water (63,000 chl). IHP 1703; IFP 85-138; ISIP 1289; FFP 191-297; FSIP 1284; FHP 1682. Temp. 117°.
- DST #4: 4277-4281': Open 30 minutes, weak blow building very slowly to 1 inch in bucket. Shut-in 60 minutes. Open 45 minutes, weak blow building slowly to 1 inch in bucket. Shut-in 90 minutes. Recovered 100 feet of muddy water (50,000 chl). IHP 2392; IFP 21-31; ISIP 1383; FFP 42-53; FSIP 1383; FHP 2361. Temp. 127°.

RELEASED
DEC 22 1987
FROM CONFIDENTIAL

NOV 24 1987