



SIDE ONE

PI
Int.STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISIONWELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 9697
Name Southwest Operating, Inc.
Address City Plaza West, Suite 515
5310 E. 31st St.
City/State/Zip Tulsa, OK 74135

Purchaser Republic Natural Gas

Operator Contact Person G. Embery
Phone 918/665-2161

Contractor: License # 6394
Name Mohawk Drilling, Inc.

Wellsite Geologist Mel Hussey
Phone 316-267-8006

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover

☐ Oil ☐ SWD ☐ Temp Abd
☒ Gas ☐ Inj ☐ Delayed Comp.
☐ Dry ☐ Other (Core, Water Supply etc.)

If ONWO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable

3-20-85 3-30-85 6-15-85
Spud Date Date Reached TD Completion Date
4643 4490
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 870 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

API NO. 15-007-22,023

County Barber
100W
C. E/2 SE SE Sec 4 Twp 31 Rge 14 ☐ East ☒ West

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

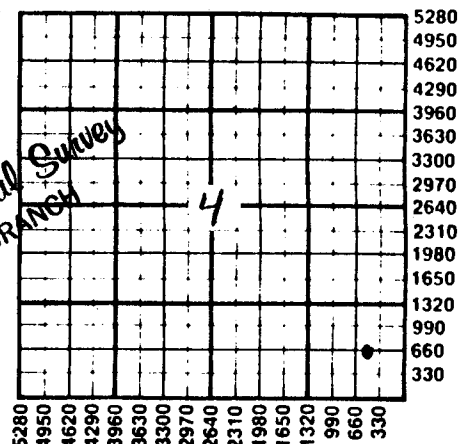
Lease Name Nittler Well # 14-1

Field Name Skinner

Producing Formation Viola

Elevation: Ground 1680 KB 1690

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: ☐ Disposal
Docket # ☐ Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit # T 85-315

☐ Groundwater Ft North from Southeast Corner
(Well) Ft West from Southeast Corner of
Sec Twp Rge ☐ East ☐ West

☒ Surface Water 660 Ft North from Southeast Corner
(Stream, pond etc.) 10 Ft West from Southeast Corner
Sec 4 Twp 31 Rge 14 ☐ East ☒ West

☐ 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.

SIDE TWO

Operator Name Southwest Operating, Inc. Lease Name Nittler Well # 14-1Sec. 4 Twp. 31 Rge. 14 ☐ East ☒ West County Barber

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

Name Top Bottom

Date of First Production 6/15/85	Producing Method ☒ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (explain).....				
Estimated Production Per 24 Hours	Oil Ø Bbls	Gas 300MCF	Water 10Bbls	Gas-Oil Ratio N/A	Gravity CFPB

METHOD OF COMPLETION

Production Interval

Disposition of gas: ☐ Vented
☐ Sold
☐ Used on Lease

☐ Open Hole ☒ Perforation
☐ Other (Specify)

4380-82

☐ Dually Completed
☐ Commingled

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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 (N)	12 1/2"	8 5/8"	24#	870'	Light Class A	300	3% CC
Production (N)	7 7/8"	5 1/2"	15.5	4614'	Light Common	100	2% Gel 3% CC

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
3	4380 - 4382	500 gal. 10% mud acid	4380-82

TUBING RECORD Size 2 3/8 Set At 4404 Packer at N/A Liner Run ☐ Yes ☒ No