

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 # 5509
name SUNWEST Exploration CO
address 9785 S. Maroon, Suite 310
City/State/Zip Englewood, CO 80112

Operator Contact Person George Rooy
Phone 303-790-2177

Contractor: license #
name Mustang Drilling Co
P.O. Box 1609 Great Bend Ks
Wellsite Geologist Doug Mc Ginnis II
Phone 316-263-6065

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
2-20-84 3-2-84 6-21-84
Spud Date Date Reached TD Completion Date

4637 4637
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 309 feet
Multiple Stage Cementing Collar Used? Yes No

If Yes, Show Depth Set 309' feet

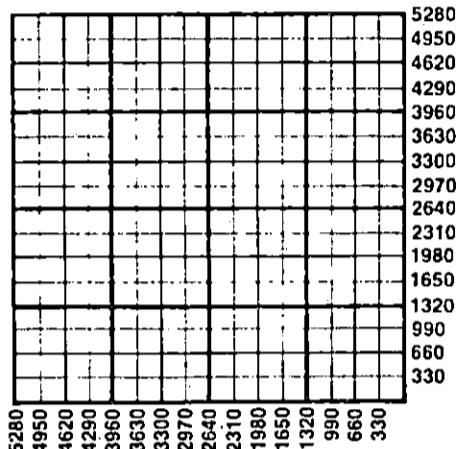
If alternate 2 completion, cement circulated
from feet depth to w/ SX cmt

API NO. 15 - 00721760-00-00
County BARBER
NE-NE-NE Sec 28 Twp 31 Rge 13
(Location) Ea Wc

..... Ft North from Southeast Corner of Section
..... Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

Lease Name Paul Thomas Well# 1
Field Name NURSE
Producing Formation Topeka
Elevation: Ground 1600' KB 1610'

Section Plat



WATER SUPPLY INFORMATION

Source of Water:
Division of Water Resources Permit #
 Groundwater Ft North From Southeast Corner a
(Well) Ft. West From Southeast Corner
Sec Twp Rge East West
 Surface Water Ft North From Southeast Corner a
(Stream, Pond etc.) Ft West From Southeast Corr
Sec Twp Rge East West
 Other (explain) Hauled
(purchased from city, R.W.D.#)

Disposition of Produced Water: Disposal Repressuring
Docket #

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. Rules 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 82-3-10 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-1 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 George B. Rooy II
Title Petroleum Engineer Date 8-6-89

Subscribed and sworn to before me this 6th day of AUGUST 19 84

Notary Public Charlotte M. Shaw
Date Commission Expires 5-19-87

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

Form ACO-1
(This form supercedes
previous forms
ACO-1 & C-10)

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CONSERVATION DIVISION
Wichita, Kansas

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CONSERVATION DIVISION
Wichita, Kansas

Sec. 28 Twp. 31 Rge. 13

Operator Name Sunwest Exploration Co Lease Name Paul Thomas Well# 1 SEC. 28 TWP. 31 RGE. 13 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

DST #1 3376' to 3390' 30-45-60-60
 JSIP-1236# IFF-32-23 FFP-43-54
 FSIP-1353
 Recovered 90' VHO-GCM + 60' MGO

DST #2 3617' to 3640' 30-45-45-60
 JSIP-1204# IFF-54-87 FFP-131-197
 FSIP-1204#
 Recovered - 150' SO + GCM + 120' SOCM +
 180' SW

DST #3 4238' to 4265' 30-45-60-90
 JSIP-1269# IFF-181-207 FFP-246-337
 FSIP-1475#
 Recovered 60' SOL, 240 OWM
 440' SW

Name	Top	Bottom
Sand, Shale	0	1235
Sand	1235	1326
Shale	1326	1388
Anhydrite	1388	1424
Shale	1424	1790
Shale, Lime	1790	2130
Shale	2130	2424
Lime, Shale	2424	2716
Shale, Lime	2716	2940
Lime, Shale	2940	4265
Shale, Lime	4265	4320
Lime, Shale, Chert	4320	4355
Lime, shale	4355	4637
RTD	4637	
LTD	4637	

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CASING RECORD <input checked="" type="checkbox"/> new <input type="checkbox"/> 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	23	309	60/40 port	225	3% CC
Production	7 7/8	5 1/2	14	4637	50/50 port	260	10% salt 3/4 of 1% 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	
2	4256' to 4261'			1000 gal DSFE (1.5%)		4256'	
2	3384' to 3388'			200 gal DSFE (1.5%)		3384'	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Producing method <input checked="" type="checkbox"/> flowing <input type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)					
June 25							
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
30		Bbls	Not known MCF	0	Bbls	CFPB	

Disposition of gas: vented open hole perforation
 sold other (specify) _____
 used on lease Dually Completed.
 Commingled

PRODUCTION INTERVAL

3384' to 3388'

Operator Name Sunwest Exploration Co. Lease Name Paul Thomas Well# 1 SEC. 28 TWP. 31 RGE. 13

WELL LOG

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 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

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 FSIP-1353
 Recovered 90' VHO-GCM + 60' MBO

DST #2 3617' to 3640' 30-45-45-60
 ISIP-1204# IFP-54-87 FFP-131-197
 FSIP-1204#
 Recovered - 150' SO + GCM + 120' SOCM +
 180' SW

DST #3 4238' to 4265' 30-45-60-90
 ISIP 1269# IFP-181-207 FFP-246-337
 FSIP-1475#
 Recovered 60' SOL, 240 OWM
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Lime, shale	4355	4637
RTD	4637	
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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	# casks used	type and percent additives
Surface	12 1/4	8 5/8	23	309	60/40 port	225	3% CC
Production	7 7/8	5 1/2	14	4637	50/50 port	260	10% salt 3/4 of 1%

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
shots per foot	specify footage of each interval perforated	(amount and kind of material used)	Depth
2	4256' to 4261'	1000 gal. DSFE (1.5%)	4256'
2	3384' to 3388'	200 gal. DSFE (1.5%)	3384'

TUBING RECORD	size	set at	packer at	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 3/8	3380'	3380'		

Date of First Production	Producing method				
June 25	<input checked="" type="checkbox"/> flowing	<input type="checkbox"/> pumping	<input type="checkbox"/> gas lift	<input type="checkbox"/> Other (explain)	

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
30	Bbls	Not known MCF	0 Bbls	CFPB	

Disposition of gas: vented
 sold
 used on lease

METHOD OF COMPLETION
 open hole perforation
 other (specify)

PRODUCTION INTERVAL
 3384' to 3388'

Dually Completed
 Commingled

DST #1 - 3376'-3390', 30-45-60-60,
ISIP #1236, IFP 32-32, FFP 43-54,
FSIP #1353, GTS/30", F/3,370 CFGPD.
Recovered 90' VHO&GCM (25% Oil) and
60' Muddy Gassy Oil (45% Oil).

DST #2 - 3617'-3640', 30-45-45-60,
ISIP #1204, IFP 54-87, FFP 131-197,
FSIP #1204, GTS/TSTM. Recovered
150' SO&GCM (7% Oil), 120' SOCM (2%
Oil), and 180' salt water (80,000 ppm [Cl]⁻).

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CONSERVATION DIVISION
Wichita, Kansas

DST #3 - 3683'-3706', 30-45-45-45,
ISIP #1372, IFP 64-77, FFP 77-90,
FSIP #1372, weak blow. Recovered
70' muddy salt water (60,000 ppm [Cl]⁻).

DST #4 - 3800'-3810', 30-45-45-60,
ISIP #1225, IFP 20-20, FFP 20-20,
FSIP #1161, GTS/Final Shut In. Re-
covered 30' SO&GCM (2% Oil) and 60'
O&GCM (30% Oil).

DST #5 - 3830'-3878', 30-45-45-60,
ISIP #1396, IFP 120-361, FFP 437-703,
FSIP #1375, Fair blow increasing to
strong blow, decreasing to fair blow.
Recovered 1510' salt water (95,000
ppm [Cl]⁻).

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DST #6 - 3970'-3982', 30-45-45-60,
ISIP #1311, IFP 32-32, FFP 54-43,
FSIP #1289, Weak blow increasing to
a strong blow, decreasing to a fair
blow. Recovered 10' mud, 60' SOCM,
and 60' SOC muddy water.

DST #7 - 4238'-4265', 30-45-60-90,
ISIP #1269, IFP 181-207, FFP 246-337,
FSIP #1475, GTS/30", F/23,000 CFGPD.
Recovered 60' SOC Gassy Mud (2% Oil),
240' Oily Watery Mud (30% Oil-25%
water), and 440' Water, 130,000 ppm [Cl]⁻.

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Date: _____

FROM CONFIDENTIAL

FEB 6 1985

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State Geological Survey
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