

WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

COPY

County Ellis

15-051-24854

gms

NW - SW - NE - Sec. 2 Twp. 13S Rge. 17 E W

3630 Feet from SW (circle one) line of Section
2310 Feet from SW (circle one) line of Section

2-13-17W

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name Schmidt Well # 1

Field Name Catherine

Producing Formation LKC

Elevation: Ground 2051' KB 2056'

Total Depth 3635' PBD

Amount of Surface Pipe Set and Cemented at 203 Feet

Multiple Stage Cementing Collar Used? Yes XX No

If yes, show depth set Feet

If Alternate II completion, cement circulated from 1226'

feet depth to surface w/ 300 ex cmt.

Drilling Fluid Management Plan alt II 1-24-94
(Data must be collected from the Reserve Pit)

Chloride content 8,000 ppm Fluid volume 800 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name License No.

Quarter Sec. Twp. S Rng. E/W

County Docket No.

Operator: License # 30717

Name: Downing-Nelson Oil Company, Inc.

Address P. O. Box 372

City/State/Zip Hays, KS 67601

Purchaser:

Operator Contact Person: Ron Nelson

Phone (913) -628-3449

Contractor: Name: Emphasis Oil Operations

License: 8241

Well Geologist: Ron Nelson

Designate Type of Completion
X New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc.)

If Workover/Re-Entry: old well info as follows:

Operator:

Well Name:

Comp. Date Old Total Depth

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBD

Commingled Docket No.

Dual Completion Docket No.

Other (SWD or Inj?) Docket No.

9/27/93 10/4/93 10/23/93

Sp. Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 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 geologist well report shall be attached with this form. ALL CEMENTING TICKETS ATTACHED. 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.

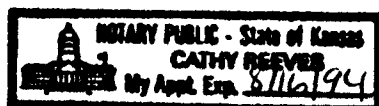
Signature Ron Nelson

Title President Date 12/22/93

Subscribed and sworn to before me this 22nd day of December 19 93

Notary Public Cathy Reeves

Date Commission Expires 8/16/94



K.C.C. OFFICE USE ONLY	
F	Letter of Confidentiality Attached
C	Wireline Log Received
C	Geologist Report Received
Distribution	
☒ KCC	☐ SWD/Rep
☒ KGS	☐ Plug
☒ NGPA	
☐ Other (Specify)	

Form ACO-1 (7-91)

Operator Name Downing-Nelson Oil Co., Inc. Lease Name Schmidt Well # 1

Sec. 2 Twp. 13S Rge. 17
☐ East ☒ West

County Ellis

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 (Attach Additional Sheets.)	☒ Yes ☐ No	☒ Log	Formation (Top), Depth and Datum	☐ Sample
Samples Sent to Geological Survey	☒ Yes ☐ No	Name	Top	Datum
Cores Taken	☐ Yes ☒ No	Top Anhydrite	1224	+ 832
Electric Log Run (Submit Copy.)	☒ Yes ☐ No	Base Anhydrite	1264	+ 792
List All E.Logs Run:		Topeka	3023	-967
Log Tech		Heebner	3267	-1211
Radiation-Guard		Toronto	3286	-1230
Sonic Cement Bond		LKC	3303	-1247
		BKC	3550	-1494
		Arbuckle	3572	-1516

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"	19#	213	60-40 poz	145	3% cc 2% gel
production	7 7/8"	4 1/2"	10.5#	3634	ASC	175	500 gal mud sweep

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
☒ Perforate				
☒ Protect Casing	3591	common	75 sks	10# FL-10
☒ Plug Back To	surface	60-40 poz	250	6% gel
☒ Plug Off Zone	1226	common	50	3% cc

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
3 shots total	3590-3590.7	250 g. 15% mud acid w/inhibitor	3590
3 S P F	3577.5 - 3581.5 4 1/2" bridge plug @ 3522'	250 g. 15% mud acid w/inhibitor	3577
4 s p f	3496 - 3498	250 g. 15% mud acid w/inhibitor	3496 &
	3475 - 3477	3000 g. 15% NE w/inhibitor & retarder	3475
4 s p f	3387 - 3389	NONE	

TUBING RECORD	Size	Set At	Packer At	Liner Run	☐ Yes ☒ No
	2"	350'	none		
Date of First, Resumed Production, SMD or In)	10/26/93	Producing Method	☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)		
Estimated Production Per 24 Hours	Oil 38	Gas NIL	Mcf 1	Water 8bbls	Gas-Oil Ratio N/A Gravity 36.5

Disposition of Gas:

☐ Vented ☐ Sold ☒ Used on Lease
(If vented, submit ACO-18.)

METHOD OF COMPLETION

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other (Specify) _____

Production Interval

COPY

DST #1

3301 - 3380
45" - 45" - 45" - 45"
IFP 74-98
FFP 121-144
SIP 566-558
HP 1680-1650

Recovery: 75' GIP, 5' Clean Oil, 40' SOCM, 60' WM, 120' MW

DST #2

3378 - 3405
30" - 30" - 30" - 30"
IFP 45-58
FFP 77-77
SIP 231-220
HP 1700-1650

Recovery: 75' GIP, 1' Clean Oil, 45' GO & WCM, 30' WM, 30' MW

DST #3

3465 - 3510
45" - 60" - 45" - 60"
IFP 58-58
FFP 74-77
SIP 266-266
HP 1788-1750

Recovery: 500' GIP, 70' Clean Oil, 30' GHOCM

RECEIVED
STANDARD OIL COMPANY

JUL 20 1934

STANDARD OIL COMPANY
NEW YORK