

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15-

137-20,411 0000

County

Norton

E/2. NE - SE Sec. 4 Twp. 4S Rge. 21W X

Operator: License # 32016

Name: PIONEER RESOURCES, INC.

Address RR # 2, Box 47A

City/State/Zip Phillipsburg, KS 67661

Purchaser:

Operator Contact Person: Rodger Wells

Phone (785) 543-5556

Contractor: Name: Discovery Drilling Co., Inc.

License: 31548

Wellsite Geologist: Ron Nelson

Designate Type of Completion

X New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.

Gas ENHR SIGW

X 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.

9/9/99

9/14/99

9/15/99

Spud Date

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 MUST BE 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

Rodger Wells

Title Operator

Date 11-5-99

Subscribed and sworn to before me this 8 day of December, 1999.

Notary Public

Gayla McCreery

Date Commission Expires

3-8-2000



GAYLA MCCREERY

State of Kansas

My Appt. Exp. 3-8-2000

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

C Wireline Log Received

C Geologist Report Received

Distribution

KCC
KGSSWD/Rep
Plug

NGPA

Other
(Specify)

Operator Name PIONEER RESOURCES, INC. Lease Name Van Loenen Well # 1Sec. 4 Twp. 4S Rge. 21W ☐ East ☒ West County Norton

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

Drill Stem Tests Taken ☒ Yes ☐ No
(Attach Additional Sheets.)Samples Sent to Geological Survey ☐ Yes ☒ NoCores Taken ☐ Yes ☒ NoElectric Log Run ☐ Yes ☒ No
(Submit Copy.)

List All E.Logs Run:

☐ Log Formation (Top), Depth and Datums ☐ Sample

Name Top Datum

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 Pipe	12 $\frac{1}{4}$	8 5/8	20	263.37	60/40Poz	170	2%Gel&3%CC

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
☐ Perforate				
☐ Protect Casing				
☐ Plug Back TD				
☐ Plug Off Zone				

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

TUBING RECORD	Size	Set At	Packer At	Liner Run	☐ Yes ☐ No
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Date of First, Resumed Production, SWD or Inj.	Producing Method	☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)
<i>P&A</i>		

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	<i>N-A</i>				

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

☐ Vented ☐ Sold ☐ Used on Lease
(If vented, submit ACO-18.)☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled

ORIGINAL

TRILOBITE TESTING L.L.C.

OPERATOR : Pioneer Resources

WELL NAME: VanLoenen #1

LOCATION : 4-4s-21w Norton co KS

INTERVAL : 3622.00 To 3690.00 ft

DATE 09-14-99

KB 2234.00 ft

GR 2226.00 ft

TD 3690.00 ft

TICKET NO: 11890 DST #2

FORMATION: Lansing G-L

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF	30	Rec.	11084	11084	2357		PF Fr. 2207 to 2237 hr
SI	30	Range (Psi)	4300.0	4300.0	4995.0	0.0	IS Fr. 2237 to 2307 hr
SF	5	Clock (hrs)	12 hr	12 hr	batt.	0.0	SF Fr. 2307 to 2314 hr
FS	0	Depth (ft)	3533.0	3533.0	3499.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	1918.0	1887.0	1831.0	0.0	0.0	T STARTED 2112 hr
B. First Flow	77.0	90.0	34.0	0.0	0.0	T ON BOTM 2205 hr
Bl. Final Flow	77.0	94.0	52.0	0.0	0.0	T OPEN 2207 hr
C. In Shut-in	1056.0	1070.0	1049.0	0.0	0.0	T PULLED 2314 hr
D. Init Flow	0.0	0.0	54.0	0.0	0.0	T OUT hr
E. Final Flow	0.0	0.0	57.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	
G. Final Hydro	1864.0	1844.0	1849.0	0.0	0.0	TOOL DATA-----
Inside/Outside	0	0	I	0.0	0.0	Tool Wt. 2400.00 lbs

RECOVERY

Tot Fluid 45.00 ft of 30.00 ft in DC and 15.00 ft in DP

45.00 ft of Mud

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:

Weak 1/4" blow building to 2:

Final Flow:

No blow pulled tool

MUD DATA-----

Mud Type	Chemical
Weight	9.40 lb/cf
Vis.	48.00 S/L
W.L.	10.40 in3
F.C.	0.00 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	0.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 N
Cushion Type	None
Reversed Out N	
Tool Chased N	
Tester	Paul Simpson
Co. Rep.	Ron Nelson
Contr.	

RECEIVED

STATE GEOLOGICAL COMMISSION

NOV - 9 1999

CONSERVATION DIVISION
Wichita, Kansas

AMPLES: none

ENT TO: Caraway/Liberal

TRILOBITE TESTING L.L.C.

OPERATOR : Pioneer Resources

DATE 09-13-99

WELL NAME: VanLoenen #1

KB 2234.00 ft TICKET NO: 11889 DST #1

LOCATION : 4-4s-21w Norton co KS

GR 2226.00 ft FORMATION: Lansing A-B

INTERVAL : 3492.00 To 3536.00 ft

TD 3536.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11084	11084	Alpine			PF Fr. 2153 to 2223 hr
SI 45 Range(Psi)	4300.0	4300.0	4995.0	0.0	0.0	IS Fr. 2223 to 2308 hr
SF 60 Clock(hrs)	12 hr	12 hr	batt.			SF Fr. 2308 to 0008 hr
FS 60 Depth(ft)	3533.0	3533.0	3499.0	0.0	0.0	FS Fr. 0008 to 0108 hr

	Field	1	2	3	4	
A. Init Hydro	1707.0	1764.0	1699.0	0.0	0.0	T STARTED 2042 hr
B. First Flow	77.0	96.0	17.0	0.0	0.0	T ON BOTM 2151 hr
B1. Final Flow	77.0	96.0	44.0	0.0	0.0	T OPEN 2153 hr
C. In Shut-in	1282.0	1307.0	1279.0	0.0	0.0	T PULLED 0108 hr
D. Init Flow	77.0	106.0	43.0	0.0	0.0	T OUT 0222 hr
E. Final Flow	88.0	106.0	64.0	0.0	0.0	
F. F1 Shut-in	1250.0	1274.0	1249.0	0.0	0.0	
G. Final Hydro	1692.0	1702.0	1680.0	0.0	0.0	
Inside/Outside	o	o				

RECOVERY

Tot Fluid 75.00 ft of 30.00 ft in DC and 45.00 ft in DP

75.00 ft of Thin watery mud with oil scum at top

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of Rw n/a ohms @ degrees F.

0.00 ft of EST.FT. of PAY-----

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:

Weak 1/4" blow building to 3"

Initial Shut-in:

No blow

Final Flow:

Surface blow building to 3"

Final Shut-in:

No blow

MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/cf
Vis.	47.00 S/L
W.L.	9.60 in3
F.C.	0.00 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	100.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 N
Cushion Type	None
Reversed Out N	
Tool Chased N	
Tester	Paul Simpson
Co. Rep.	Ron Nelson
Contr.	Discovery
Riq #	

RECEIVED
STATE COMMISSION

NOV - 9 1999

SAMPLES: none

SENT TO: Caraway/Liberal

CONSERVATION DIVISION
Wichita, Kansas

ALLIED CEMENTING CO., INC.

1985

Federal Tax I.D.# ~~44-38868~~

ORIGINAL

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Russell

DATE <u>9/9/99</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION <u>7:15 p.m.</u>	JOB START	JOB FINISH <u>8:00 p.m.</u>
LEASE <u>VonLoener</u>	WELL # <u>1</u>	LOCATION <u>Logan SW SW 1w N 1/4 N 1/4</u>			COUNTY <u>Norton</u>	STATE <u>KS.</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Discovery Drilling Rig #1

OWNER

TYPE OF JOB SurfaceHOLE SIZE 12 1/4" T.D. 2104CASING SIZE 8 5/8" DEPTH 263

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT 110 yd 1361.

EQUIPMENT

PUMP TRUCK CEMENTER Paul# 221 HELPER Mark

BULK TRUCK

241 DRIVER Dave

BULK TRUCK

DRIVER

CEMENT

AMOUNT ORDERED 170 100% 40 3% CP
2% GelCOMMON 102 @ 6.35 647.70POZMIX 68 @ 3.25 221.00GEL 3 @ 9.50 28.50CHLORIDE 5 @ 28.00 140.00

@

@

@

@

@

HANDLING @ 1.05 178.50MILEAGE 44 / SK / mile 544.00

⑧

TOTAL 1759.70

REMARKS:

SERVICE

Cement Circulated!

Thanks!

CHARGE TO Deeper Drilling

DEPTH OF JOB

PUMP TRUCK CHARGE 470.00

EXTRA FOOTAGE @

MILEAGE @ 45.00

PLUG @

@

@

TOTAL 515.00

ALLIED CEMENTING CO., INC.

1527

Federal Tax I.D.# ~~000000~~REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT

Oakley

DATE 9-15-99	SEC 4	TWP 4S	RANGE 21W	CALLED OUT	ON LOCATION 4:30 AM	JOB START 6:15 AM	JOB FINISH 8:30 AM
LEASE Van Loenen	WELL # 1	LOCATION Logan SW 5N 1W 2		COUNTY Norton		STATE KS	
OLD OR (NEW) (Circle one)							

CONTRACTOR Discovery Drig Rig 1	OWNER same
TYPE OF JOB pfg	
HOLE SIZE 7 7/8	T.D. 3690'
CASING SIZE	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH 1940'
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT	

EQUIPMENT

PUMP TRUCK	CEMENTER Dean
# 191	HELPER Wayne
BULK TRUCK	
# 218	DRIVER Lonnie
BULK TRUCK	
#	DRIVER

CEMENT	
AMOUNT ORDERED 200 SKS 60/40 P&S	
620 Gel 2 1/2" Flo Seal	
COMMON 120 SKS @ 6.35	762.00
POZMIX 80 SKS @ 3.25	260.00
GEL 10 SKS @ 9.50	95.00
CHLORIDE	
Flo Seal 50 # @ 1.15	57.50
HANDLING 200 SKS @ 1.05	210.00
MILEAGE 44 per sk/mile	640.00

TOTAL 2,024.50

REMARKS:

SERVICE

1st Plug at 1940' w/ 25 SKS
2nd Plug at 1150' w/ 100 SKS
3rd Plug at 351 w/ 40 SKS
4th Plug 40' w/ 10 SKS + Plug
15 SKS in Rat Hole
10 SKS in Mouse Hole

DEPTH OF JOB 1940'	
PUMP TRUCK CHARGE	490.00
EXTRA FOOTAGE @	
MILEAGE 80 - miles @ 2.75	220.00
PLUG 87g Dry Hole @	23.00

TOTAL 493.00

CHARGE TO: Pioneer Resources

STREET

CITY STATE ZIP

FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

TOTAL

To Allied Cementing Co., Inc.

You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE

Tom Al

TAX

TOTAL CHARGE

DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME

ORIGINAL