

13-2-14E

DOCKET NO. NP

FOR INFORMATION REGARDING THE NUMBER OF COPIES TO BE FILED AND APPLICATIONS
REQUIRING COPIES OF ACO-1 FORMS SEE PAGE TWO (2), SIDE TWO (2) OF THIS FORM.

C Attach ONE COPY of EACH wireline log run (i.e. electrical log, sonic log, gamma ray neutron log etc.)***Check here if NO logs were run .

I am the Affiant, and I am familiar with the contents of the foregoing Affidavit.

COPY
LED AND APPLICATIONS
TWO (2) OF THIS FORM

Side TWO

OPERATOR Sterling Development Co. LEASE NAME Pyle SEC 13 TWP 2 RGE 14 XXWELL NO 3-83

FILL IN WELL INFORMATION AS REQUIRED;

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

Show Geological markers, logs run, or other Descriptive information.

Formation description, contents, etc.	Top	Bottom	Name	Depth
☐ Check if no Drill Stem Tests Run. ☐ Check if samples sent Geological Survey. See Form U-1				

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used		Depth interval treated
7500 gal HCL 15%		3880-3932
<i>See Geological Survey</i> <i>ACID FRACTURE</i>		
Date of first production	Producing method (flowing, pumping, gas lift, etc.)	
Estimated Production-L.P.	Oil bbls.	Gravity
Disposition of gas (vented, used on lease or sold)	Gas MCF	Water %
		Gas-oil ratio
		Perforations

Report of all strings set — surface, intermediate, production, etc.							
CASING RECORD (New) or (Used)							
Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface		8 5/8		252	Standard	170	D53 Calc. chloride
Long string		5 1/2		3952	50/50 Poz	250	
LINER RECORD				PERFORATION RECORD			
Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval		
			1.75	Glass	3892.5-3932.5		
TUBING RECORD							
Size	Setting depth	Packer set at		Glass	3880-3910		
	3847-89						

13-2-14E p1

DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:

Operator

Sterling Oil and Exploration Inc.

Well No.
3-83

Lease Name
Pvle

SWDW

S-13 T-2 R-14E W-400FNL, 350 FEL, W², NW⁴

WELL LOG

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time fluid open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Silty clay, sandy clay, glacial drift	0	55'	soil mantle	55'
wx Ls and shale, gry, grn, red	55'	75'		75'
LS tan bdly wx	75	88		88
Sh gry dk gry sity sandy	88	93		93
Ls dense lt tn exline	93	103		103
Ls soft yel brn	108	122		122
Ls lt tn v cxline & fossil	122	236		136
Sh gry dk gry grn	136	141		141
Ls lt tn	141	146		146
Sh gry sandy	146	148		148
Ls lt gry m xline	148	156		156
Sh lmv gry	156	159		159
Ls and sh	159	174		174
Ls lt m tn-gry	174	184		184
Sh gry grn dk gry	184	188		188
Ls lt gry v dense	188	196		196
Sh gry-dk gry	196	204		204
Ls wf shly streaks	204	227		227
Ls v dense v f xline lt gry	227	247		247
Sh and Ls alternating	247	298		298
Ss & sandy Ls	298	311		311
Sh gry v sandy	311	324		324
Ls v shly lt tn-lt gry	324	340		340
Sh gry dk, gry sandy	340	345		345
Ls w/f shaly streaks	345	400		400
Ss and Sandy Ls	400	410		410
Ls lt gry dense	410	414		414
Ss v c grnd wht	414	428		428
Sh gry grn tan v sandy w/f iron	428	526		526
Ls lt tan vf xline fossil	526	531		531
Sh gry dk gry sandy	531	568		568
Ls lt gry	568	572		572
Sh dk gry	572	574		574
Ls M gry	574	576		576
Sh dl gry sandy	576	584		584
Ls lt gry v cxline	584	592		592
Sh gry sandy	592	600		600
Ls lt mgry lt tan tr shale partings	600	628		628
Sh gry dl gry grn clayev	628	638		638
Ls lt-m tan-gry v xline	638	654		654

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received

RECEIVED

STATE CORPORATION COMMISSION

APR 03 1984

CONSERVATION DIVISION
Wichita, Kansas

APR 23 1984

Signature

Title

Date

State Geological Survey
WICHITA BRANCH

Well Log continued:

Formation Description	Top	Bottom	Name	Depth
Sh gry dl gry reddish brn sndy	654	674		674
Ss v shaly m grnd	674	680		680
Ls lt-m gry v dense	680	688		688
Ss v shaly m grnd	688	702		702
Sh gry dl gry sndy	702	802		802
Ls lt m gry	802	810		810
Sh gry sndy	810	813		813
Ss v shaly m grnd	813	820		820
Sh v dk gry and sndy	820	842		842
Ls dense m tan	842	848		848
Sh dl gry black	848	850		850
SS f-m grnd shaly	850	856		856
Ls m tan fossil	856	867		867
Sh dl gry	867	872		872
Ls m tan	872	880		880
Sh dl gry	880	888		888
Ls m brn cxline	888	904		904
Sh black	904	908		908
Ls lt gry	908	925		925
Ss v shaly m grnd	925	937		937
Sh gry v sndy	937	990		990
Ls lt m gry w/f sh partings	990	1010		1010
Sh black	1010	1016		1016
Ls lt m gry v cxline & dense	1016	1040		1040
Sh gry sndy	1040	1061		1061
Ss f-m grnd shaly	1061	1064		1064
Sh gry v sndy	1064	1073		1073
Ls gray dense	1073	1106		1106
Sh black	1106	1110		1110
Ls gray dense	1110	1134		1134
Sh gry sndy	1134	1151		1151
Ss m grnd v shaly	1151	1184		1184
Sh gry dl gry sndy	1184	1257		1257
Ls lt m gry dense	1257	1265		1265
Sh gry dl gry	1265	1274		1274
Ls lt-m gry	1274	1291		1291
Sh dk gray	1291	1294		1294
Ls gry and sh	1294	1351		1351
Ss and sndy sh	1351	1363		1363
Ls lt-m gry dense	1363	1380		1380
Sh black	1380	1383		1383
Ls lt-m gry m xline	1383	1422		1422
Sh black	1422	1427		1427
Ss v dirty m grnd	1427	1436		1436
Ls dense gray	1436	1442		1442
Sh sndy-shaly gry	1442	1455		1455
Ls grav & dense & shale	1455	1528		1528
Sh gry-black	1528	1538		1538
Ls and sndy Ls	1538	1562		1562
Sh gry sndy	1562	1566		1566
Ls Lt tn-lt brn v cxline	1566	1573		1573
Sh black	1573	1576		1576
Ls lt tn lt brn	1576	1593		1593
Sh black	1593	1596		1596
Ls and Sh	1596	1640		1640
Sh black	1640	1643		1643

APR 4 1904
State Geological Survey
MONTANA BRANCH

13-2-14e
3-83 Ryle

10

Well Log continued:

Formation Description	Top	Bottom	Name	Depth
Ss m grnd shaly	1643	1658		1658
Ls and shale	1658	1672		1672
Sh black	1672	1675		1675
Sh gray sndy	1675	1682		1682
Ls m gry dense	1682	1691		1691
Sh gry dl gry sndy	1691	1697		1697
Ls m gry	1697	1707		1707
Sh gry sndy	1707	1713		1713
Ls m gry	1713	1724		1724
Sh black	1724	1730		1730
Ss v shaly m grnd	1730	1763		1763
Ls	1763	1780		1780
Sh black	1804	1808		1808
Ls	1808	1813	Base Ft Scott	Ls 1813
Sh black	1813	1819		1819
Ss & sndy shale	1819	1850		1850
Coal	1850	1854		1854
Shale gry dk gry sndy	1854	1927		1927
Ss v shaly	1927	1939		1939
Shale gry dl grn sndy	1939	2160		2160
Ss m grnd rounded qtz	2160	2195		2195
				<u>Depth KB</u>

Shale-sltly sndy; sandstone,
very shaly:

	2195	2421	Cherokee Sh	2421
Limestone, abun cht	2421	2460	Miss Ln	2460
Limestone-brn sucrosic	2460	2504		2504
Limestone-v xline ls, abun cht	2504	2580		2580
Shale, gray, green, dk gray	2580	2837	Kinderhook	2837
Dolomite wht-lt tn v cline free oil	2837	2842	Hunton	2842
Dolo wht lt tm v cline- vuggy	2842	3431		3431
Shale, slty dolomitic, abun pyrite	3431	3482	Maquoketa	3482
Dolo, lt-m brn scat chert tr free oil	3482	3488	Viola	3488
Dolo lt m brn v dense	3488	3669		3669
Dolo sh, ss & dolomite	3669	3809	Simpson Gp	3809
Dolo lt brn, v sacroidal	3809	3910	Arbuckle	3910
Gr wash c grnd ss & arkosic frag's	3910	3930	Granite Wash	3930
Red feldapars, biotite, qtz	3930	3952	Weathered Granite	3952

APR 21 1984

State Geological Survey