

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

S.C.

API NO. 15-.....023-20-271-00-00
County.....Cheyenne
C SE NW 27 3S 42 East
.....Sec.....Twp.....Rge.....X West

Operator: License # 9860
Name Cabot - Castle Resources took over
Address Rt 1 - Box 90 casing point
.....Hays, Kansas 67601
City/State/Zip

3300 Ft North from Southeast Corner of Section
3300 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Purchaser.....

Lease Name.....Raile.....Well #.....1-27
Field Name.....Wildcat.....

Operator Contact Person Jerry Green
Phone (913) 625-5155

Producing Formation.....None
Elevation: Ground.....3683.....KB.....3693

Contractor: License # 5302
Name Red Tiger

Section Plat

Wellsite Geologist.....
Phone.....

Designate Type of Completion
X New Well Re-Entry Workover
Oil SWD Temp Abd
Gas Inj Delayed Comp.
X Dry Other (Core, Water Supply etc.)

RECEIVED
STATE CORPORATION COMMISSION
MAY 12 1989 5-12-89
CONSERVATION DIVISION
Wichita, Kansas

If OWWO: old well info as follows:
Operator,
Well Name,
Comp. Date, Old Total Depth.....

WATER SUPPLY INFORMATION
Disposition of Produced Water: Disposal
Docket # Repressuring

WELL HISTORY
Drilling Method:
X Mud Rotary Air Rotary Cable
3/27/89 4/13/89 5/6/89
Spud Date Date Reached TD Completion Date
5330 4786
Total Depth PBTD

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717
Source of Water:
Division of Water Resources Permit #.....T 89-154
Groundwater.....Ft North from Southeast Corner
(Well)Ft West from Southeast Corner of
Sec Twp Rge East West
X Surface Water 2700 Ft North from Southeast Corner
(Stream, pond etc) 5200 Ft West from Southeast Corner
Sec 26 Twp 4S Rge 42 East X West
Other (explain).....
(purchased from city, R.W.D. #)

Amount of Surface Pipe Set and Cemented at 302 feet
Multiple Stage Cementing Collar Used? Yes X No
If yes, show depth set.....feet
If alternate 2 completion, cement circulated
from.....feet depth to.....w/.....SX cmt
Cement Company Name Halliburton-plugged 5/23/89
Invoice #

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.
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-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
Title..... Date May 11/1989

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C [X] Wireline Log Received
C Drillers Timelog Received
Distribution
KCC SWD/Rep NGPA
KGS Plug Other
(Specify)
5-12-89

Subscribed and sworn to before me this 11 day of May 1989
Notary Public.....

Date Commission Expires.....
MARLENE BRULL
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 9/14/92

SIDE TWO

Operator Name Castle Resources Lease Name..... Raile Well #..... 1-27

Sec..... 27 Twp..... 3S Rge..... 42 East West County..... Cheyenne

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

E Zone Perforated 4680-84
 Swabbed 1½ bbls of oil per hr. after 1500 gal. of Fe Acid

B Zone Perforated 4517-25
 Swabbed 12 bbl. of SW per hr. with a scum of oil, natural.

Cores Included

Name	Top	Bottom
Lansing - K.C.	4454	- 761
K Sand -	4702	-1009
B-KC	4777	-1084
Ft. Scott	4950	-1257
Atoka	5054	-1361
Morrow SH	5106	-1413
Morrow Sand	5190	-1497
Mississippi	5216	-1523

CASING RECORD <input type="checkbox"/> New <input checked="" 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	13"	8 5/8	24#	302	60/40	200 sks	
Long String	7 7/8	5 1/2	14#	4820	60/40	200 sks	
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
4 shots/ft	4680-84			1500 gallons Fe Acid			
4 Shots/ft	4517-25						
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production	Producing Method						
	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain)..... Dry.....						
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation Sold Other (Specify) non-commercial.....
 Used on Lease Dually Completed
 Commingled

CORE LABORATORIES

Company : Cabot Exploration Corporation
 Well : No.1-27 Raile
 Location :
 State : Cheyenne County, Kansas

Field : Wildcat
 Formation : As Noted
 Coring Fluid : Chem Gel
 Elevation : 3693 KD

File No. : 57121-8316
 Date : 13-Apr-1989
 API No. :
 Analysts: DS MW

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH ft	PERMEABILITY (HORIZONTAL) Kair md	POROSITY		SATURATION		GRAIN DENSITY gm/cc	DESCRIPTION
			{HELIUM} %	{FLUIDS} %	{PORE VOLUME} OIL %	WATER %		
Selected Sidewall Samples Lansing-Kansas City Fm. 4518.0-4584.0								
1	4518.0		15.0		5.8	58.1		Ls wh f xln
2	4519.0		8.1		9.1	18.2		Ls wh f xln
3	4520.0		6.7		21.3	21.3		Ls wh f xln vug
4	4521.0		16.5		27.1	46.5		Ls wh f xln vug
5	4522.0		15.3		4.9	48.5		Ls wh f xln
6	4523.0		8.2		10.4	20.8		Ls wh f xln vug
7	4524.0		18.3		8.6	51.7		Ls wh f xln vug
8	4525.0		6.5		13.9	27.8		Ls wh f xln vug
9	4526.0		14.3		11.9	47.6		Ls wh f xln vug
10	4581.0		8.6		11.9	23.8		Ls wh f xln vug
11	4582.0		8.0		11.3	18.1		Ls wh f xln vug
12	4583.0		7.1		2.8	5.6		Ls wh f xln
13	4584.0		13.8		0.0	25.0		Ls wh f xln
Core No.1 Horrow Fm. 5118.0-5122.0								
14	5118.3	157.	19.8		0.0	80.2	2.67	Sst wh vf-f gr sl calc pyr
15	5119.7	5.12	18.4		0.0	95.8	2.66	Sst wh vf-f gr sl calc
16	5120.6	34.0	21.0		0.0	86.4	2.67	Sst wh vf-f gr sl calc
17	5121.5	39.3	20.8		0.0	79.6	2.68	Sst wh vf-f gr sl calc
18	5122.4	20.1	18.4		0.0	81.1	2.59	Sst wh vf-f gr sl calc arg pyr
	5123.0- 62.0							Shale -- Not analysed by request

RECEIVED
 STATE GEOLOGICAL COMMISSION
 MAY 12 1989
 CONSERVATION DIVISION
 WICHITA, KANSAS

0200-112027-00-00
 13-023-2027-00-00

CORE LABORATORIES

Company : Cabot Exploration Corporation
 Well : No.1-27 Raile

Field : Wildcat
 Formation : As Noted

File No.: 57121-8316
 Date : 13-Apr-1989

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH ft	PERMEABILITY (HORIZONTAL) Kair md	POROSITY		SATURATION		GRAIN DENSITY gm/cc	DESCRIPTION
			(HELIUM) %	(FLUIDS) %	(PORE VOLUME) OIL %	WATER %		
Core No.2 Narrow Fm. 5162.0-5186.0								
	5162.0- 77.0							Shale, Slt -- Not analysed by request
19	5177.6	0.18	11.1		0.0	48.3	2.69	Sst wh vf-f gr shly arg pyr
20	5178.4	0.08	12.4		0.0	64.3	2.69	Sst wh vf-f gr shly arg
21	5179.2	0.21	8.1		0.0	65.9	2.67	Sst wh vf-f gr shly arg
22	5180.2	1.53	12.9		0.0	82.5	2.65	Sst wh vf-f gr arg pyr
23	5183.5	0.17	16.4		0.0	77.2	2.90	Sst grn-brn vf-m gr arg hvy min
24	5184.5	1.57	15.5		0.0	81.7	2.75	Sst gry-wh vf-f gr arg shly hvy min
	5185.0- 86.0							Rubble -- Not analysed by request
Core No.3 Narrow Fm. 5186.0-5211.0								
25	5186.7	34.7	24.0		0.0	83.8	2.67	Sst grn-brn vf-m gr arg sl calc
26	5187.6	4.08	15.6		0.0	81.3	2.68	Sst wh vf-f gr arg shly sl calc hvy min
27	5188.5	0.02	5.1		0.0	90.9	2.69	Sst wh vf-f gr arg v calc hvy min
28	5189.6	26.7	14.4		1.4	82.1	2.68	Sst wh vf-f gr arg v calc hvy min
29	5190.8	63.1	14.3		1.8	55.2	2.67	Sst wh-gry vf-c gr arg shly calc hvy min
30	5191.5	0.29	6.9		4.7	79.4	2.69	Sst wh vf-f gr arg v calc hvy min
31	5192.4	59.0	12.1		0.0	89.7	2.67	Sst wh vf-f gr v calc hvy min
32	5193.3	0.45	4.9		0.0	94.0	2.70	Sst wh vf-f gr v calc hvy min
33	5194.3	84.2	17.7		0.0	89.7	2.66	Sst wh vf-m gr arg sl calc hvy min
34	5195.3	91.3	18.0		0.0	85.8	2.66	Sst wh vf-m gr arg sl calc hvy min
35	5196.7	175.	18.2		0.0	91.5	2.66	Sst wh vf-f gr sl calc hvy min
36	5197.3	152.	18.8		0.0	69.0	2.66	Sst wh vf-f gr sl calc hvy min
37	5198.6	113.	17.0		0.0	56.1	2.66	Sst wh vf-f gr sl calc hvy min
38	5199.5	78.0	13.5		0.0	72.6	2.66	Sst wh vf-m gr arg sl calc hvy min
39	5200.4	40.8	11.5		0.0	69.4	2.66	Sst wh vf-m gr arg calc hvy min
40	5201.6	213.	18.7		0.0	77.5	2.67	Sst wh vf-m gr arg calc hvy min

15-023-20271-00-00

CORE LABORATORIES

Company : Cabot Exploration Corporation
 No. 11 : No. 1-27 Raile

Field : Wildcat
 Formation : As Noted

File No.: 57121-8316
 Date : 13-Apr-1989

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH ft	PERMEABILITY (HORIZONTAL) Kair md	POROSITY		SATURATION		GRAIN DENSITY gm/cc	DESCRIPTION
			(HELIUM) %	(FLUIDS) %	(PORE VOLUME) OIL %	WATER %		
41	5202.8	195.	15.6		0.0	86.7	2.66	Sst wh vf-m gr calc hvy min
42	5203.3	116.	14.4		0.0	84.8	2.66	Sst wh vf-m gr calc sl arg hvy min
43	5204.4	99.2	11.9		0.0	65.4	2.67	Sst wh vf-m gr calc sl arg hvy min
44	5205.8	219.	18.2		0.0	79.5	2.66	Sst wh vf-f gr arg sl calc hvy min
45	5206.4	256.	13.6		0.0	71.2	2.66	Sst wh vf-m gr arg sl calc hvy min
46	5207.6	53.1	11.8		0.0	76.9	2.66	Sst wh vf-m gr arg sl calc hvy min
47	5208.3	194.	11.0		0.0	57.6	2.66	Sst wh vf-m gr sl calc hvy min
48	5209.4	0.80	3.2		0.0	54.7	2.67	Sst wh vf-m gr sl calc hvy min
49	5210.8	53.9	8.4		0.0	70.4	2.66	Sst wh vf-m gr arg sl calc hvy min

15-023-20271-00-00

Preliminary only

1 of 1

CORE LABORATORIES

Company : Cabot Exploration Corporation
 Well : No.1-27 Raile
 Location : C SE NW
 Co,State : Cheyenne County, Kansas

Field : Wildcat
 Formation : Morrow
 Coring Fluid : Chem Gel
 Elevation : 3693 KB

File No.: 57121-8316
 Date : 13-Apr-1989
 API No. ;
 Analysts: DS MW

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH ft	POROSITY (FLUIDS) %	SATURATION		
			(PORE VOLUME) OIL %	WATER %	
Selected Sidewalls 4518.0-4584.0					
B	1	4518.0	15.0	5.8	58.1
	2	4519.0	8.1	9.1	18.2
	3	4520.0	6.7	21.3	21.3
	4	4521.0	16.5	27.1	46.5
	5	4522.0	15.3	4.9	48.5
	6	4523.0	8.2	10.4	20.8
	7	4524.0	18.3	8.6	51.7
	8	4525.0	6.5	13.9	27.8
	9	4526.0	14.3	11.9	47.6
E	10	4581.0	8.6	11.9	23.8
	11	4582.0	8.0	11.3	18.1
	12	4583.0	7.1	2.8	5.6
	13	4584.0	13.8	0.0	25.0

OC-00-1202-202-C2051