FORM MUST BE TYPED

SIDE ONE

COPY

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

API NO. 15- 051-249750000

County Ellis

W/2 E/2 SE Sec. 20 Twp. 11S Rge. 18 E/W X

1320 Feet from S/N (circle one) Line of Section

990 Feet from E/W (circle one) Line of Section

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

Operator: License # 9860

Name: Castle Resources Inc.

Address PO Box 87

City/State/Zip Schoenchen, KS 67667

Purchaser:

Operator Contact Person: Jerry Green

Phone (785) 625-5155

Contractor: Name: Shields Drilling Company

License: 5184

Wellsite Geologist: Jerry Green

Designate Type of Completion
X New Well ___ Re-Entry ___ Workover

___ Oil ___ SWD ___ SIOW ___ 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 ___ PBTD
___ Commingled Docket No.
___ Dual Completion Docket No.
___ Other (SWD or Inj?) Docket No.

8-19-97 Spud Date | 8-27-97 Date Reached TD | 8-27-97 Completion Date

Lease Name Wasinger Well # 4

Field Name Bemis

Producing Formation none

Elevation: Ground 2040 KB 2045

Total Depth 3620 PBTD

Amount of Surface Pipe Set and Cemented at 210 Feet

Multiple Stage Cementing Collar Used? ___ Yes X No

If yes, show depth set ___ Feet

If Alternate II completion, cement circulated from ___

feet depth to ___ w/ ___ sx cmt.

Drilling Fluid Management Plan D&A JH 11-26-97
(Data must be collected from the Reserve Pit)

Chloride content 14,000 ppm Fluid volume 3000 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.

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

Title President Date 9-15-97

Subscribed and sworn to before me this 15th day of September, 19 97.

Notary Public Katherine Bray

Date Commission Expires 6-19-2000

KATHERINE BRAY
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES 6-19-2000

K.C.C. OFFICE USE ONLY
F √ Letter of Confidentiality Attached
C √ Wireline Log Received
C ___ Geologist Report Received

Distribution
√ KCC ___ SWD/Rep ___ NGPA
___ KGS ___ Plug √ Other (Specify)

Form ACO-1 (7-91)

84974

SIDE TWO

Operator Name Castle Resources Inc. Lease Name Wasinger Well # 4

Sec. 20 Twp. 11S Rge. 18 ☐ 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 l , 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
Samples Sent to Geological Survey	☐ Yes	☐ No
Cores Taken	☐ Yes	☐ No
Electric Log Run (Submit Copy.)	☐ Yes	☐ No

List All E.Logs Run:

DST #1 3362 - 3404

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

Name	Top	Datum
Topeka	3030	-985
Heebner	3258	-1213
LKC	3300	-1255
BKC	3530	-1485
Conglomerate	3580	-1535
RTD	3620	-1575

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 1/4	8 5/8	20	210	60/40 poz	135	2% gel 3% CC

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top	Depth Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate			N/A		
___ 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
	N/A		

TUBING RECORD Size Set At Packer At Liner Run ☐ Yes ☐ No

Date of First, Resumed Production, SWD or Inj. D&A Producing Method ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravi
	N/A		N/A		N/A			

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

Shields

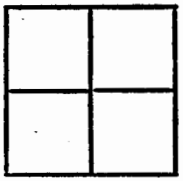
Russell, Kansas

WELL LOG

ORIGINAL

Operator: Castle Resources, Inc.
Well: Wasinger #4
Commenced: August 19, 1997
Completed: August 27, 1997
Contractor: Shields Drilling Co.

Well Description: W/2 E/2 SE/4
Sec. 20-11S-18W
Ellis Co., KS.



Elevation: 2,045' KB
Treatment:

Production: D & A

Tops:

CASING RECORD

Size	Run	Pulled
8 5/8"	210'	Cmtd. w/135 sax

15-051-24975

. . . . . Figures Indicate Bottom of Formations . . . . . .

Rock & Shale	210'	
Shale	310'	
Shale & Sand	1,343'	
Anhydrite	1,379'	
Shale & Sand	1,503'	
Shale &	2,860'	
Shale & Lime	3,055'	
Lime	3,203'	
Lime & Shale	3,404'	
Lime	3,620'	RTD

RECEIVED
KANSAS CORP COMM
1997 SEP 17 P 12:12