

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

COPY

API NO. 15- 179-21,022

County SheridanSW - NE - NE - Sec. 16 Twp. 9S Rge. 27 X E4290 Feet from S/N (circle one) Line of Section990 Feet from E/W (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:  
NE, (SE) NW or SW (circle one)Lease Name Popp Well # 1Field Name Wildcat

Producing Formation \_\_\_\_\_

Elevation: Ground 2715' KB 2720'Total Depth 4138' PBTD 4113'Amount of Surface Pipe Set and Cemented at 258 FeetMultiple Stage Cementing Collar Used? \_\_\_\_\_ Yes X No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from 4136feet depth to Surface w/ 475 sx cmt.Drilling Fluid Management Plan 12-22-90  
(Data must be collected from the Reserve Pit)Chloride content 7700 ppm Fluid volume 200 bblsDewatering method used Air Dry/Backfill

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 # 9860Name: Castle Resources, Inc.Address Bank IV, Suite C1200 E. 27thCity/State/Zip Hays, KS 67601

Purchaser: \_\_\_\_\_

Operator Contact Person: Jerry GreenPhone (913) -625-5155Contractor: Name: Emphasis Oil OperationsLicense: 8241Wellsite Geologist: Jerry Green

Designate Type of Completion

X New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ WorkoverX Oil \_\_\_\_\_ SWD \_\_\_\_\_ SIOW \_\_\_\_\_ 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 \_\_\_\_\_ PBTD

Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_

Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_

Other (SWD or Inj?) Docket No. \_\_\_\_\_

10/30/91 10/9/91 10-23-91

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  
Corby 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 Terry P. WilliamsTitle Production Superintendent Date 12-7-92Subscribed and sworn to before me this 7th day of December  
19 92.Notary Public Chris SchumacherDate Commission Expires 5-8-96

K.C.C. OFFICE USE ONLY	
F	Letter of Confidentiality Attached
C	Wireline Log Received <u>DEC 8 1992</u>
C	Geologist Report Received
Distribution	
<u>X</u> KCC	SWD/Rep
<u>X</u> KGS	Plug
	Other (Specify) <u>IS</u>

Operator Name Castle Resources, Inc.SIDE 100  
Lease Name PoppWell # 1Sec. 16 Twp. 9S Rge. 27☐ East

County

Sheridan☒ West

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

Samples Sent to Geological Survey

☐ Yes ☒ No

Cores Taken

☐ Yes ☒ NoElectric Log Run  
(Submit Copy.)☒ Yes ☐ NoList All E.Logs Run: Dual Induction, Compensated  
Neutron Density☒ Log

Formation (Top), Depth and Datum

☐ Sample

Name

Top

Datum

Anhydrite

2311

- 45

Heebner

3821

-1092

Toronto

3848

-1119

Lansing

3856

-1127

Base Kansas City

4100

-1371

RTD

4140

-1411

## 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 $\frac{1}{4}$	8 5/8"	20#	258'	60/40 Poz	180	2% Gel, 3% CC
Production	7 7/8"	4 $\frac{1}{2}$ "	9.5#	4136'	60/40 Poz	275	10% Gel, 5# Gi
					EA-2	200	1/8# Flo-cele/ 18% Salt, 5# Gi

## ADDITIONAL CEMENTING/SQUEEZE RECORD

1/2 CFR-3, 1/8#

Flo-Cele/sk

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> 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
4	4060'-4064' K-zone	250 gals. 15% MCA	
4	3994'-3996' H-zone	250 gals. 15% MCA	
1	3976' G-zone	500 gals. 15% MCA	
1	3928' E-zone		
4	3857'-3860' A-zone	250 gals. 15% MCA	

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
None					

Date of First, Resumed Production, SWD or Inj.	Producing Method	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> T & A Other (Explain)

Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
0								

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

Popp #1 D.S.T. Results

D.S.T. #1 3820'-3852'  
 30-30  
 Rec.: 5' Drilling Mud  
 IHP: 1928 psi  
 IF: 34-34 psi  
 ISIP: 34 psi  
 FHP: 1912 psi

D.S.T. #2 3876'-3895'  
 45-45-45-45  
 Rec.: 1080' Water  
 IHP: 1923 psi  
 IF: 67-362 psi  
 ISIP: 1017 psi  
 FF: 320-530 psi  
 FSIP: 983 psi  
 FHP: 1905 psi

D.S.T. #3 3895'-3915'  
 30-60-45-30  
 Rec.: 60' Oil Cut Mud  
 5' Free Oil  
 IHP: 1956 psi  
 IF: 25-33 psi  
 ISIP: 1109 psi  
 FF: 25-50 psi  
 FSIP: 974 psi  
 FHP: 1928 psi

D.S.T. #4 3915'-3935'  
 30-30-30-30  
 Rec.: 15' Mud w/Specks of Oil  
 45' Gas in Pipe  
 IHP: 1938 psi  
 IF: 22-22 psi  
 ISIP: 1167 psi  
 FF: 22-22 psi  
 FSIP: 1151 psi  
 FHP: 1970 psi

D.S.T. #5 3970'-4022'  
 30-30-30-30  
 300' Muddy Oil  
 60' Heavy Oil Cut Water  
 120' Water  
 300' Gas in Pipe  
 IHP: 2042 psi  
 IF: 101-134 psi  
 ISIP: 1142 psi  
 FF: 176-227 psi  
 FSIP: 1125 psi  
 FHP: 2025

D.S.T. #6 4007'-4067'  
 30-30-45-30  
 Rec.: 45' Slightly Oil Cut  
 Mud  
 IHP: 2073 psi  
 IF: 58-58 psi  
 ISIP: 1110 psi  
 FF: 58-76 psi  
 FSIP: 1070 psi  
 FHP: 2051 psi

RECEIVED  
 DATE OCT 24 1972  
 DEC 8 1972  
 CONSERVATION DIVISION  
 MINING