

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

Operator: License # 7076
Name Black Diamond
Address 1105 E. 30th Suite A
City/State/Zip Hays, Kansas 67601

Purchaser

Operator Contact Person Kenneth Vehige
Phone 913-625-5891

Contractor: License # 9087
Name R & C Drilling, In.

Wellsite Geologist Kenneth Vehige
Phone 913-625-5891

Designate Type of Completion

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

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

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable

4-30-86 5-7-86 5-8-86
Spud Date Date Reached TD Completion Date
3290
Total Depth PBSD

Amount of Surface Pipe Set and Cemented at 1144 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated from feet depth to w/SX cmt
Cement Company Name
Invoice #

API NO. 15-163-22,881

County Rooks

NE NE SW Sec. 25 Twp 7 Rge 18 East West

2310 Ft North from Southeast Corner of Section
2970 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

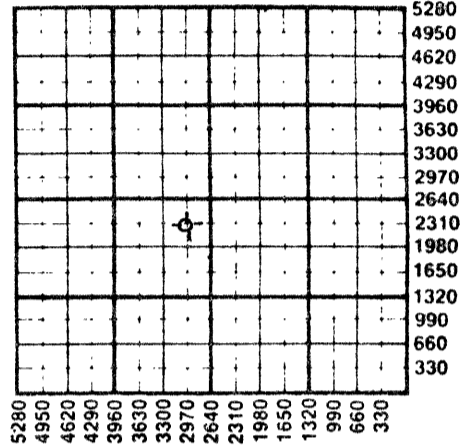
Lease Name Hazen Well # 1

Field Name

Producing Formation

Elevation: Ground 1757 KB 1767

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water: Stream
Division of Water Resources Permit #

Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner of Sec Twp Rge East West

Surface Water Ft North from Southeast Corner (Stream, pond etc) Ft West from Southeast Corner Sec Twp Rge East West

Other (explain) (purchased from city, R.W.D. #)

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 [Signature]

Title Date

Subscribed and sworn to before me this 12 day of May 1986

Notary Public [Signature]

Date Commission Expires 4-21-90

GLENN M. DROTTS
NOTARY PUBLIC
State of Kansas
My Appointment Expires: 4-21-90

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
KCC SWD/Rep NGPA
KCS Plug Other
RECEIVED STATE CORPORATION COMMISSION (Specify)
CONS. DIV. WICHITA, KS

Form ACO-1 (7-84)

JUL 23 1986
7-23-86

Section 25 Twp. 7. Rge. 18. W.

SIDE TWO

Operator Name Black Diamond Lease Name Hazen Well # 1

Sec. 25 Twp. 7 Rge. 18 East West County Rooks

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

Name	Top	Bottom
Topeka	2684	
Heebner	2894	
Toronto	2916	
Lansing-K.C.	2937	
Base of K.C.	3157	
Weathered Arbuckle	3216	

CASING RECORD <input type="checkbox"/> New <input 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
Conductor	17 1/2	13 3/8	52	89	Common	100	
Surface	12 1/4	8 5/8	24	1144	60/40 poz	425	
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)			Depth
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input 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).....						
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)
 Used on Lease

Dually Completed
 Commingled

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Sec. 25 Twp. 7 Rge. 18 East West County Rooks

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DST #1-2960-2994-30/30/3/0 1st open FTP 58/58, SIP 725', 2nd open FTP 0/0, 1st blow - weak, dead in 9 mins., 2nd blow - no blow, Rec. 10' drilling mud with few oil specks in tool = .142 bbls.
 DST #2-3094-3128-45/30/15/-0 1st open FTP 78/83, SIP 967', 2nd open FTP 0/0, Rec. 55' of watery mud/scum of oil intop of tool = .781 bbls.
 DST #3-3154-3248-45/45/45/45 1st open weak blow 1 1/2" in bucket, FTP 88/90 SIP 590. Rec. 70' of oil cut drilling mud, = .994 bbls.
 DST #4-3227-3290-60/60/60/60 1st open FTP 20/24, SIP 502, weak blow - 2' into bucket. 2nd open weak blow, 1 1/2' into bucket FTP 20/24, SIP 502. Rec. 75' of heavy oil cut mud.

CASING RECORD <input type="checkbox"/> New <input 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
Conductor	17 1/4	13 3/8	52	89	Common	100	
Surface	12 1/4	8 5/8	24	1144	60/40 poz	425	
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
TUBING RECORD				Size	Set At	Packer at	Liner Run <input type="checkbox"/> Yes <input 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).....						
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio		Gravity	
	bbls	MCF	bbls	CFPB			

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