

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 # 6408
Name W.K. Black, Inc.
Address P.O. Box 801
City/State/Zip Pratt, Ks. 67124
(Kansas Crude, Inc. original operator)
Operator Contact Person W.K. Black
Phone 316-672-5712

Contractor: License # N/A
Name Landmark Energy

Wellsite Geologist Lee Paulsen
Phone N.A.

PURCHASER Republic Natural Gas
Permian

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

8-4-81... 8-15-81... 9-3-81...
Spud Date Date Reached TD Completion Date
4515... 4380
Total Depth PBT

Amount of Surface Pipe Set and Cemented at 449 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

API NO. 15-151-20,966-00-00

County... Pratt

NE NW SE... Sec. 24 Twp. 26S Rge. 14 East West

2310 Ft North from Southeast Corner of Section
1650 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

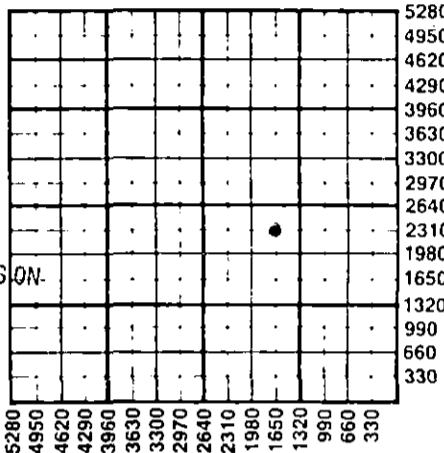
Lease Name Briggeman Well # 1

Field Name Moore S.W. Bomber Range

Producing Formation Kinderhook, Mississippi

Elevation: Ground 1964 KB 1968

Section Plat



RECEIVED
STATE CORPORATION COMMISSION
JUN 06 1985
CONSERVATION DIVISION
Wichita, Kansas

WATER SUPPLY INFORMATION

Source of Water:
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.#)

Disposition of Produced Water: Disposal Repressuring

Docket #

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.

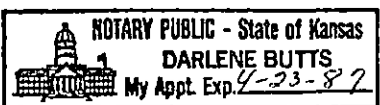
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature [Signature]

Title President Date 5-28-85

Subscribed and sworn to before me this 28th day of May 1985

Notary Public Darlene Butts
Date Commission Expires April 23, 1987



K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Time Log Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

SIDE TWO

Operator Name W.K. Black, Inc. Lease Name Briggeman Well # 1 SEC. 24 TWP. 26S RGE. 14 East West

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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Formation Description <input checked="" type="checkbox"/> Log <input checked="" type="checkbox"/> Sample																																							
DST# 1 3965-3980, 30-30-60-60, IHP 2046, FHP 2025, IEP 116-116, ISIP 1313, FFP 169-160, FSIP 1321, Rec. 120' SG70 cut mud and 180'S.W.	<table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Bottom</th> </tr> </thead> <tbody> <tr><td>Chase</td><td>2042</td><td>(- 74)</td></tr> <tr><td>Wabaunsee</td><td>2845</td><td>(- 877)</td></tr> <tr><td>Topeka</td><td>3310</td><td>(-1342)</td></tr> <tr><td>Heebner</td><td>3634</td><td>(-1666)</td></tr> <tr><td>Douglas</td><td>3672</td><td>(-1704)</td></tr> <tr><td>Lansing</td><td>3828</td><td>(-1860)</td></tr> <tr><td>B/KC</td><td>4152</td><td>(-2184)</td></tr> <tr><td>Cherokee</td><td>4213</td><td>(-2245)</td></tr> <tr><td>Mississippi</td><td>4260</td><td>(-2292)</td></tr> <tr><td>Kinderhook</td><td>4318</td><td>(-2340)</td></tr> <tr><td>Viola</td><td>4390</td><td>(-2422)</td></tr> <tr><td>Simpson</td><td>4440</td><td>(-2472)</td></tr> </tbody> </table>	Name	Top	Bottom	Chase	2042	(- 74)	Wabaunsee	2845	(- 877)	Topeka	3310	(-1342)	Heebner	3634	(-1666)	Douglas	3672	(-1704)	Lansing	3828	(-1860)	B/KC	4152	(-2184)	Cherokee	4213	(-2245)	Mississippi	4260	(-2292)	Kinderhook	4318	(-2340)	Viola	4390	(-2422)	Simpson	4440	(-2472)
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DST# 2 4375-4400, 30-30-60-60, IHP 2183, FHP 2124, IFP 71-131, ISIP 1328, FFP 155-202, FSIP 1304, Rec. 125' SOCM and 240' muddy water.																																								
DST# 3 4268-4313 15-30-30-60, IHP 2148, FHP 2089, IFP 80-80, ISIP 1304, FFP 80-80, FSIP 737. Rec. 150' slightly gas cut mud.																																								
	***Stress frac, 30,000 gal. KCL water plus 21,000# sand																																							

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
Surface	12 1/4	8 5/8	23	449	Dowell	400	50/50 Poz, 2% CC
Production	7 7/8	4 1/2	10.5	4475	Dowell	125	RFC
PERFORATION RECORD Shots Per Foot Specify Footage of Each Interval Perforated				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth			
4	Kinderhook 4324-32			750 gal. 15% Acid		26,000	4324-32
				gal. 1 1/2% acid plus		16,000#	
				sand			
4	Mississippi 4272-82			500 gal. 10% NE acid, and			4272-82
TUBING RECORD Size 2 3/8" Set At 4305 Packer at None				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Producing Method					
9-11-81		<input type="checkbox"/> Flowing <input checked="" 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	
		5 Bbls	118 MCF	30 Bbls	CFPB		

METHOD OF COMPLETION Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) 4272-82
 Used on Lease Dually Completed 4324-32
 Commingled