

5/28/85
12/1/85
~~12-1-86~~
KCC

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 # ...5721.....
Name ..Glacier Petroleum Company..
Address ..P.O. Box 577..
.....825 Commercial Street..
City/State/Zip ..Emporia, Ks...66801..

Purchaser.....Northern Gas Marketing Inc..
.....2223 Dodge Street..
.....Omaha, Nebraska 68102

Operator Contact Person ..J. C. Hawes..
Phone316-342-1148

Contractor: License #5825.....
Name ..Glacier Drilling Company, Inc..

Wellsite Geologist...Chuck Kuhl.....
Phone.....316-262-5429

Designate Type of Completion

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

If ONWO: old well info as follows:

Operator
Well Name
Comp. DateOld Total Depth.....

WELL HISTORY

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable

..6/17/84.. ..7/06/84.... ..9/01/84...&..
Spud Date Date Reached TD Completion Date

..5400'..... ..5315.....
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 670 feet
Multiple Stage Cementing Collar Used? ☐ Yes ☒ No
If yes, show depth set.....feet
If alternate 2 completion, cement circulated
from...701.....feet depth to surface 400' x cmt

API NO. 15-.....025-20,815.....

County.....Clark.....

.....NE. NE. Sec. 18. Twp. 33S. Rge. 21... ☐ East ☒ West

.....4620..... Ft North from Southeast Corner of Section
.....660..... Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)

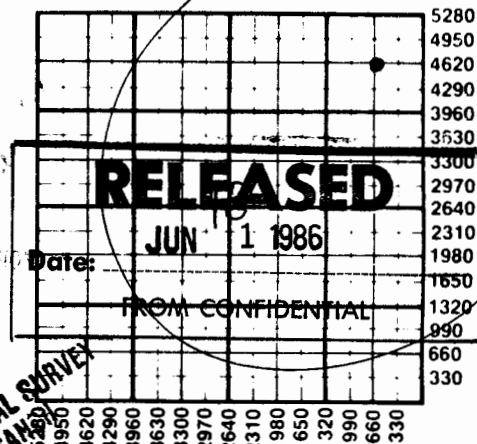
Lease Name.....Redger.....Well #.....1

Field Name.....Sitka.....

Producing Formation.....Morrow.....

Elevation: Ground.....1886'.....KB.....

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:

Division of Water Resources Permit #...N/A.....

☐ 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).....City of Protection.....
(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.

TIGHT HOLE

Operator Name ..Glacier Petroleum Company..... Lease Name...Redger.....Well #.....1.....

Sec....18.... Twp...33S... Rge...21..... ☐ East
☒ West County....Clark.....

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
Top Soil	0	5
Sand & red bed	5	181
Shale	181	1368
Lime	1368	1376
Shale & Sand	1376	1477
Shale/Lime	1477	1892
Lime w/Shale	1892	2007
Shale & Lime	2007	2114
Lime	2114	2440
Sand	2440	2459
Shale/Lime	2459	3105
Shale	3105	3310
Lime w/shale streaks	3310	4053
Sandy Shale	4053	4082
Lime w/Shale	4082	4416
Brown lime	4416	4433
Lansing	4433	4476
Shale/Lime	4476	4932

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Continued on Page -2-

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 1/4"	8 5/8"	24#	670'	Common	400	3% cc, 1/2 flo seal
Production	7 7/8"	4 1/2"	10 5#	5359'	Common	200	Class. H

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
5 shots	5261' to 5265'		
6 shots	5274' to 5279'	TIGHT HOLE	

TUBING RECORD	Size	Set At	Packer at	Liner Run	☐ Yes ☐ No
	N/A				

Date of First Production	Producing Method				
	Oil	Gas	Water	Gas-Oil Ratio	Gravity

*****CORRECTED*****

ACO-1 WELL HISTORY

PAGE 2 (Side One)

OPERATOR Glacier Petro. LEASE NAME Redger #1
WELL NO. #1

SEC 18 TWP 33S RGE 21 (W) ^{XX}

FILL IN WELL INFORMATION AS REQUIRED.

Show all important zones of porosity and contents thereof;
cored intervals, and all drill-stem tests, including depth
interval tested, cushion used, time tool open, flowing &
Shut-in pressures, and recoveries.

Show Geological markers,
logs run, or Other
Descriptive information.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Base of Kansas City	4932	5002		
Marmaton	5002	5089		
Lime	5089	5115		
Cherokee	5115	5260		
Morrow	5260	5400		

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MAY 29 1963
State Geological Survey
WATER RESOURCES DIVISION

JUN 06 1963
KANSAS GEOLOGICAL SURVEY
WATER RESOURCES DIVISION