

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 # 4459
Name Agate Petroleum, Inc.
Address 1301 Fourth National Bank Bldg.
City/State/Zip Tulsa, OK 74119

Purchaser None

Operator Contact Person E.L. Snider
Phone 918-585-9016

Contractor: License # 5929
Name Duke Drilling Co., Inc.

Wellsite Geologist W. Scott Alberg
Phone 316/672-5729

Designate Type of Completion

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

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

WELL HISTORY

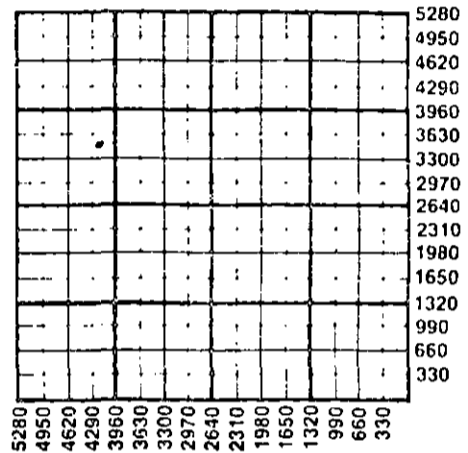
Drilling Method:
X Mud Rotary Air Rotary Cable
7-4-87 P&A
6-26-87 7-4-87
Spud Date Date Reached TD Completion Date
4720
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 322 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. 15-151-21,840-00-00
County Pratt
50'S & 60'E of
NE SW NW Sec 14 Twp 29 Rge 14 East XX West
3580 Ft North from Southeast Corner of Section
4230 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Luther Well # 1
Field Name Coats West Extension
Producing Formation None
Elevation: Ground 1984' KB 1992'

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 # T87-252

X Groundwater 3580 Ft North from Southeast Corner (Well) 4230 Ft West from Southeast Corner of Sec 14 Twp 29 Rge 14 East X 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 triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 E.L. Snider E.L. Snider
Title Vice President Date 7-15-87

Subscribed and sworn to before me this 15 day of July 1987
Notary Public Frances D. Delpha
Date Commission Expires 9/17/88

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Time Log Received
Distribution
KCC SWD/Rep NGPA
KGS Plug Other
KANSAS CORPORATION COMMISSION (Specify)
JUL 16 1987
7-10-87

Sec. 4 Twp. 29 Rge. 14E

SIDE TWO

Operator Name Agate Petroleum, Inc. Lease Name..... LUTHER Well #..... 1.....

Sec..... 14 Twp..... 29 Rge..... 14 East West County..... Pratt

SEE ATTACHED

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

(See Attached DST #1 & DST #2)

(See Attached Driller's Well Log)

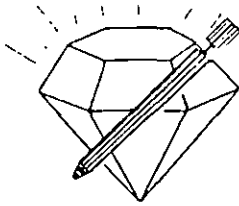
CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (in O.D.)	Weight Lbs/Ft.	Setting Depth	Type of Cement	#Sacks Used	Type and Percent Additives
Surface	12 1/4"	8-5/8"	20#	322'	60/40 Poz	225	2% gel, 3% CC
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			
Size	Set At	Packer at					
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
 Conmingled

JUL 15 1987



DIAMOND TESTING

P. O. Box 157
HOISINGTON, KANSAS 67544
(316) 653-7550

Company Agate Petroleum, Inc. Lease and Well No. Luther No. 1-14
Elevation 1992 KB Formation Simpson Effective Pay. _____ Ft. Ticket No. 424
Date 7-2-87 Sec. 14 Twp. 29S Range 14W County Pratt State Kansas
Tests Approved by Scott Alberg Diamond Representative Roger D. Friedly

Formation Test No. 1 Interval Tested from 4,530 Ft. to 4,571 Ft. Total Depth 4,571 Ft.
Packer Depth 4,525 Ft. Size 6 3/4 in. Packer Depth _____ Ft. Size _____ in.
Packer Depth 4,530 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

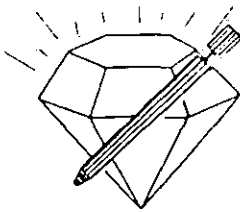
Depth of Selective Zone Set _____
Top Recorder Depth(Inside) 4,563 ft. Recorder Number 13498 Cap. 3,925
Bottom Recorder Depth(Outside) 4,568 ft. Recorder Number 13556 Cap. 4,425
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor Duke Drilling Company, Inc. - Rig 2 Drill Collar Length _____ I.D. _____ in.
Mud Type Drispac Viscosity 44 Weight Pipe Length 283 ft. I.D. 2 1/2 in.
Weight 9.5+ Water Loss 12.2 cc. Drill Pipe Length Remainder I.D. 2 7/8 in.
Chlorides _____ P.P.M. Test Tool Length 26 ft. Tool Size 3 1/2-FH in.
Jars: Make _____ Serial Number _____ Anchor Length 41 ft. Size 4 1/2-FH in.
Old Well Flow No Reversed Out No Surface Choke Size 1-2 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak blow. Died in 10 mins.
2nd Open: No blow.

Recovered 20 ft. of drilling mud with very few oil specks = .148 bbls.
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks _____

Time Set Packer(s) 7:35 ~~A.M.~~ Time Started Off Bottom 10:05 ~~A.M.~~ Maximum Temperature _____
Initial Hydrostatic Pressure (A) 2427 P.S.I.
Initial Flow Period Minutes 30 (B) 88 P.S.I. to (C) 88 P.S.I.
Initial Closed In Period Minutes 30 (D) 126 P.S.I.
Final Flow Period Minutes 30 (E) 88 P.S.I. to (F) 88 P.S.I.
Final Closed In Period Minutes 60 (G) 97 P.S.I.
Final Hydrostatic Pressure (H) 2329 P.S.I.



DIAMOND TESTING

P. O. Box 157

HOISINGTON, KANSAS 67544

(316) 653-7550

Company Agate Petroleum, Inc. Lease and Well No. Luther No. 1-14
 Elevation 1992 KB Formation Simpson Effective Pay. _____ Ft. Ticket No. 425
 Date 7-2-87 Sec. 14 Twp. 29S Range 14W County Pratt State Kansas
 Tests Approved by Scott Alberg Diamond Representative Roger D. Friedly

Formation Test No. 2 Interval Tested from 4,568 Ft. to 4,580 Ft. Total Depth 4,580 Ft.
 Packer Depth 4,563 Ft. Size 6 3/4 in. Packer Depth _____ Ft. Size _____ in.
 Packer Depth 4,568 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____

Top Recorder Depth(Inside) 4,572 ft. Recorder Number 13556 Cap. 4,425
 Bottom Recorder Depth(Outside) _____ ft. Recorder Number _____ Cap. _____
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor Duke Drilling Company, Inc. - Rig 2 Drill Collar Length _____ I.D. _____ in.
 Mud Type Drispac Viscosity 39 Weight Pipe Length 283 ft. I.D. 2 1/2 in.
 Weight 9.4 Water Loss 16.2 cc. Drill Pipe Length Remainder I.D. 2 7/8 in.
 Chlorides _____ P.P.M. Test Tool Length 26 ft. Tool Size 3 1/2-FH in.
 Jars: Make _____ Serial Number _____ Anchor Length 12 ft. Size 4 1/2-FH in.
 Did Well Flow No Reversed Out No Surface Choke Size 1-2 in. Bottom Choke Size 5/8 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak blow building to 1 1/2 ins. in bucket.
2nd Open: Came back after 12 mins. to surface blow and built to 1/2 in. in bucket.

Recovered 110 ft. of watery mud = .814 bbls.
 Recovered 40 ft. of water = .296 bbls. (Chlorides: 32,000 Ppm)
 Recovered 150 ft. of TOTAL FLUID = 1.110 bbls.
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks _____

Time Set Packer(s) 9:05 ~~XXX~~ P.M. Time Started Off Bottom 11:50 ~~XXX~~ P.M. Maximum Temperature _____
 Initial Hydrostatic Pressure (A) 2400 P.S.I.
 Initial Flow Period Minutes 30 (B) 44 P.S.I. to (C) 55 P.S.I.
 Initial Closed In Period Minutes 30 (D) 972 P.S.I.
 Final Flow Period Minutes 45 (E) 66 P.S.I. to (F) 88 P.S.I.
 Final Closed In Period Minutes 60 (G) 994 P.S.I.
 Final Hydrostatic Pressure (H) 2423 P.S.I.

DRILLER'S WELL LOG

DATE COMMENCED: June 26, 1987
DATE COMPLETED: July 4, 1987

Agate Petroleum, Inc.
LUTHER #1
50' S & 60'E of NE SW NW
Sec. 14, T29S, R14W
Pratt County, Ks.

ELEVATION:

0 - 807' Surface Soil, Shale, Sand
807 - 830' Anhydrite
830 - 3820' Lime & Shale
3820 - 3991' Shale & Lime
3991 - 4002' Lime & Shale
4002 - 4378' Lime
4378 - 4499' Shale & Lime
4499 - 4556' Chert
4556 - 4676' Shale & Sand
4676 - 4720' Dolomite
4720' RTD

FORMATION DATA

Anhydrite	807'
Heebner	3820'
Br. Lime	3991'
Lansing	4002'
Base K.C.	4378'
Viola	4499'
Simpson sh.	4556'
Simpson sd.	4561'
Arbuckle	4676'
RTD	4720'

Surface Pipe: Set 8-5/8",
20# pipe @322' w/225 sacks
60/40 pozmix 2% gel 3% cc.

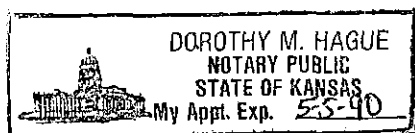
A F F I D A V I T

STATE OF KANSAS
COUNTY OF BARTON) ss

John Armbruster of lawful age, does swear and state that the facts and statements herein are true and correct to the best of his knowledge.

John J. Armbruster

Subscribed and sworn to before me this 8th day of July 1987.



Dorothy M. Hague
Notary Public

RECEIVED
STATE CONSERVATION COMMISSION

JUL 16 1987

CONSERVATION DIVISION
Wichita, Kansas