

2639

11-11-21W

MUST BE TYPED

SIDE ONE

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

Operator: License # 4973Name: Vantage Petroleum, Inc.Address P.O. Box 553City/State/Zip Great Bend, KS 67530-0553Purchaser: KOCH OIL COMPANYOperator Contact Person: Tom LarsonPhone (316) 792-3664Contractor: Name: Emphasis Oil OperationsLicense: 8241Wellsite Geologist: Robert Stolzle

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover

☒ Oil ☐ SWD ☐ SIOW ☐ Temp. Abd.
☐ Gas ☐ ENHR ☐ SIGW
☐ Dry ☐ Other (Core, WSW, Expl., Cathodic, etc.)

If Workover/Re-Entry: Oil 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. _____

10/4/90 10/10/90 11/10/90
 Spud Date Date Reached TD Completion Date

API NO. 15- 195-22,060County TREGOSW - SE - NE - Sec. 11 Twp. 11S Rge. 21 E X W990 Feet from SE (circle one) Line of Section2970 Feet from SE (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
SE, SE, SE (circle one)Lease Name WALZ Well # 5Field Name WALZ, NWProducing Formation ARBUCKLEElevation: Ground 2180 KB 2185Total Depth 3680 PBTD 3813Amount of Surface Pipe Set and Cemented at 260 FeetMultiple State Cementing Collar Used? ☒ Yes ☐ NoIf yes, show depth set 1656 FeetIf Alternate II completion, cement circulated from 1656feet depth to SURFACE w/ 350 sx cmt.Drilling Fluid Management Plan 11-20-91
(Data must be collected from the Reserve Pit)

N/A AT TIME WELL WAS DRILLED

Chloride content _____ ppm Fluid Volume _____ bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____

Quarter Sec. _____ Twp. _____ Rng. _____ N/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby 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 geological 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.

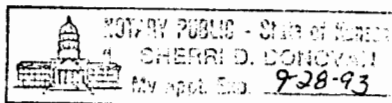
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Carol LarsonTitle Secretary/Treasurer Date 11/13/91Subscribed and sworn to before me this 13TH day of NOVEMBER, 1991.Notary Public Sherri D. Donovan
Sherri D. DonovanDate Commission Expires September 28, 1993

K.C.C. OFFICE USE ONLY
 F ☐ Letter of Confidentiality Attached
 C ☒ Wireline Log Received
 C ☒ Geologist Report Received

Distribution

☒ KCC ☐ SWD/Rep ☐ NGPA
☒ KGS ☐ Plug ☒ Other (Specify)

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NOV 14 1991

Form ACO-1 (7-91)

CONSERVATION DIVISION
Wichita, Kansas

90793

SIDE TWO

Operator Name Vantage Petroleum, Inc.Lease Name WALZWell # 5Sec. 11 Twp. 11S Rge. 21☐ EastCounty TREGO☒ West

Instructions: Show important tops and base of formation 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
(Attach Additional Sheets.)

Samples Sent to Geological Survey ☐ Yes ☒ No

Cores Taken ☐ Yes ☒ No

Electric Log Run ☒ Yes ☐ No
(Submit Copy.)

List All E. Logs Run:
DUAL INDUCTION LATEROLOG
COMPENSATED DENSITY
DUAL SPACED NEUTRON

☒ Log Formation (Top), Depth and Datums ☐ Sample

Name	Top	Datum
ANHYDRITE	1628	+557
TOPEKA	3218	-1033
PLATTSMOUTH	3374	-1189
HEEBNER	3425	-1240
TORONTO	3448	-1263
LANSING	3463	-1278
BASE KANSAS CITY	3697	-1512
ARBUCKLE	3760	-1575

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	20	260	60-40 POZ	165	2% GEL, 3%
PRODUCTION	7-7/8	5-1/2	14	3860	HLC	25	1/4# FLOCELE/SK
					EA-2	125	3/4# HALAD 322, 7

ADDITIONAL CEMENTING/SQUEEZE RECORD

GILSONITE/SK

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate				
☒ Protect Casing	SURF-1656	HLC	350	1/4# FLOCELE/SK
☐ Plug Back TD				
☐ 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	3760-90	750 GAL 15% SWIC W/ 1 GAL PEN-88	

TUBING RECORD	Size 2-7/8	Set At 3804	Packer At	Liner Run ☐ Yes ☒ No
Date of First, Resumed Production, SWD or Inj. 11/11/90	Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)			
Estimated Production Per 24 Hours	Oil 44 Bbls.	Gas Mcf	Water 160 Bbls.	Gas-Oil Ratio 33.

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

☐ Vented ☐ Sold ☐ Used on Lease
(If vented, submit ACO-18).

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other (Specify) _____

3760-90

11-11-21W

EMPHASIS OIL OPERATIONS

P. O. BOX 506

RUSSELL, KS 67665

DRILLERS LOG

OPERATOR: Vantage Petroleum, Inc.
P. O. Box 553
Great Bend, KS 67530

CONTRACTOR: Emphasis Oil Operations
Box 506
Russell, KS 67665

LEASE: Walz WELL #5

LOCATION: SW SE NE
Section 11-11S-21W
Trego County, Kansas

LOGGERS TOTAL DEPTH: 3680'

ROTARY TOTAL DEPTH: 3680'

ELEVATION: 2185' K.B.

COMMENCED: 10/4/90

COMPLETED: 10/10/90

CASING: 8-5/8" @ 260' w/165 sks cement
5-1/2" @ 3860' w/25 sks Halco Lite &
150 sks EA2
DV Tool @ 1656' w/350 sks Halco Lite

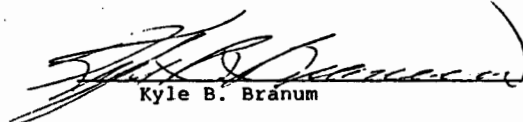
STATUS: Oil Well

DEPTHS & FORMATIONS

(All measurements from K.B.)

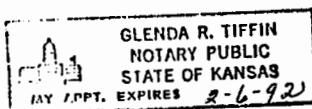
Dakota Sand	803'	Toronto	3448'
Cedar Hills	1113'	Lansing-Kansas City	3463'
Red Bed	1322'	Base Kansas City	3697'
Anhydrite	1622'	Arbuckle	3758'
Topeka	3218'	R.T.D.	3680'
Heebner	3425'		
STATE OF KANSAS)			
) ss			
COUNTY OF RUSSELL)			

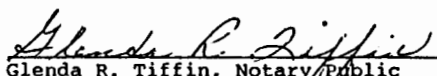
Kyle B. Branum, of Emphasis Oil Operations, states that the above and foregoing is a true and correct log of the above captioned well, to the best of his knowledge.


Kyle B. Branum

Subscribed and sworn to before me on October 12,, 1990.

My commission expires: February 6, 1992.




Glenda R. Tiffin, Notary Public

October 11, 1990

Mr. Thomas Larson
Vantage Petroleum, Inc.
625 Washington Street
Great Bend, KS 67530

Re: Vantage Petroleum, Inc.
Walz #5
SW/4SE/4NE/4
Section 11, T11S-R21W
Trego County, KS

Dear Mr. Larson:

The following is our geological report on the referenced well. A drilling time log with a detailed sample and show description is already in your possession.

General Data:

Contractor	Emphasis Oil Operations Rig #8
Spud Date	October 4, 1990
Completed	October 9, 1990, 5 1/2" casing run to 3860' for completion
Elevation	Ground 2180', KB 2185'
Casing	255' 8 5/8" surface casing
Samples	3200' to TD. (3861') - 10' sample interval
Drilling Time	Recorded by Totco drilling time recorder recorded from 3200' to TD in 1 foot increments
Logging Program	Halliburton Logging Services Dual Induction Guard and Density-Neutron Logs with Gamma Ray, S.P. and Caliper
Testing	No drillstem tests or wireline pressure tests were run

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CONSERVATION DIVISION
Wichita, Kansas

Mr. Thomas Larson
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Geological Data:

<u>Formation Top</u>	<u>Walz #5</u> GL 2180' KB 2185'		<u>Walz #3</u> GL 2185' KB 2190'		<u>Relative Structural Position</u>
	<u>Drilling Time</u>	<u>Wireline Log</u>			
Stone Corral Anhy.	1634 (+ 551)	1628 (+ 557)	N/A		
Topeka /s	3218 (-1033)	3218 (-1033)	3220 (-1030)	3'	low
Platts /s	3373 (-1188)	3374 (-1189)	3375 (-1185)	4'	low
Heebner Sh.	3427 (-1242)	3425 (-1240)	3428 (-1238)	2'	low
Toronto /s	3450 (-1265)	3448 (-1263)	3452 (-1262)	1'	low
Lansing Gp	3462 (-1277)	3463 (-1278)	3466 (-1276)	2'	low
"F" zone	3553 (-1368)	3554 (-1369)	3554 (-1364)	5'	low
"K" zone	3660 (-1475)	3658 (-1473)	3660 (-1470)	3'	low
Base of Kansas City Gp	3703 (-1518)	3697 (-1512)	3710 (-1520)	8'	high
Arbuckle	3758 (-1573)	3760 (-1575)	3762 (-1572)	3'	low

Mr. Thomas Larson
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Sample Description of selected objective zones and hydrocarbon shows (see geological report log for detailed information).

Topeka
3218 - 3374 Limestone: white to light grey, moderately hard, fine grained crystalline rock with fair inter-crystalline and oomoldic vugular porosity. The 30 foot zone at 3240-50 had good uniform oil staining but no free oil. It should produce oil from a low permeability reservoir. The 120 foot zone had fair to good oil staining in poorly developed porosity.

Plattsmouth
3373 - 3427 Limestone: white, hard to soft, very fine grained to microcrystalline rock with only weak oil staining. Most of the porosity is very fine grained or chalky and probably low permeability.

Lansing &
Kansas City
Gp
3462 - 3703 Limestone: white-light grey, moderately hard, crystalline, rarely oolitic or fossiliferous. The "F" and "G" porosity zones had only weak black oil staining and were predominately chalky and probably are low permeability reservoirs. The L-KC "K" zone had less chalky material with poor pin point porosity vugular porosity and a trace of interparticle oolitic porosity. The black oil staining in this interval was not uniform and this reservoir is also expected to exhibit low permeability.

Arbuckle Fm
3760-3861
(TD) Dolomite: brown to white, trace of pink in lower part of formation, medium hard, fine grained to medium grained rhombic crystalline dolomite. The upper 30 feet of samples exhibited good uniform brown staining of live oil in fair to good inter-crystalline porosity. Samples from below 3790' were less porous and exhibited black asphaltic oil staining and frequent unstained samples.

Test Information:

No drillstem tests or wireline formation tests were run.

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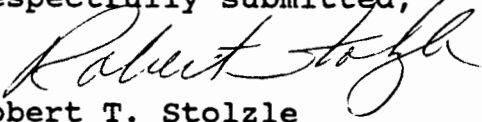
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Conclusions and Recommendations:

Based upon the structural position relative to existing oil wells, excellent Arbuckle sample shows of oil, and the wireline log evaluation of the Arbuckle reservoir, the decision was made to run 5 1/2" casing to TD in order to complete the well for production. It is recommended that the Topeka 30 foot zone be perforated at such time as is feasible.

Respectfully submitted,



Robert T. Stolzle
Certified Petroleum Geologist #3244

RTS/cmk