

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

API NO. 15-025-20.971-0001 SEP 25 1990

County... Clark... FROM CONFIDENTIAL NE... SW... NE... Sec. 29... Twp... 32... Rge. 22... X West

Operator: License # 3667 Name Source Petroleum Address 200 W. Douglas Suite 820 City/State/Zip Wichita, KS. 67202

3570 Ft North from Southeast Corner of Section 1729 Ft West from Southeast Corner of Section (Note: Locate well in section plat below)

Purchaser... KPL Gas Service

Lease Name... Van Blaricum "A" Well #... 1 Field Name... Wildcat

Operator Contact Person John D. Howard, Jr. Phone 316-262-7397

Producing Formation... Lansing-KC

Elevation: Ground 2069 KB 2080

Contractor: License # 5418 Name Allen Drilling Company

Wellsite Geologist Phone

Designate Type of Completion New Well Re-Entry X Workover

X Oil SWD Temp. Abd. Gas Inj Delayed Comp. Dry Other (Core, Water Supply etc.)

If OWN: old well info as follows: Operator Morris E. Stewart Oil Co. Well Name Van Blaricum #1 Comp. Date 1/11/87 Old Total Depth 6860

RECEIVED STATE CORPORATION COMMISSION MAY 12 1989 CONSERVATION DIVISION WICHITA, KANSAS KANSAS GEOLOGICAL SURVEY WICHITA BRANCH MAY 23 1989

Section Plat grid with elevations: 5280, 4950, 4620, 4290, 3960, 3630, 3300, 2970, 2640, 2310, 1980, 1650, 1320, 990, 660, 330

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring

Questions on this portion of the ACO-1 call: Water Resources Board (913) 296-3717

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

X Other (explain) hauled by Clark Corp. of Medicine Lodge (purchased from city, R.W.D. #)

WELL HISTORY

Drilling Method: X Mud Rotary Air Rotary Cable

3/9/89 3/10/89 4-6-89 Spud Date Date Reached TD Completion Date

4920' 4813 Total Depth PBTD

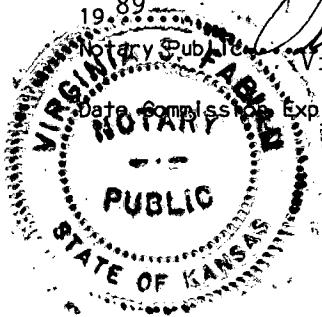
Amount of Surface Pipe Set and Cemented at 836 feet Multiple Stage Cementing Collar Used? Yes X No If yes, show depth set... feet If alternate 2 completion, cement circulated from... feet depth to... w/... SX cmt Cement Company Name Invoice #

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 John D. Howard, Jr. Title General Manager Date 4/28/89

Subscribed and sworn to before me this 28th day of April 1989 Virginia S. Fabian Notary Public Expires August 5, 1991



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

PAT I 10-5-70

Sec 29 Twp 32 Rge 22 W

PI

SIDE TWO

ORIGINAL

CONFIDENTIAL

Operator Name Source Petroleum Lease Name Van Blaricum "A" Well # 1

Sec. 29 Twp. 32 Rge. 22 East West County Clark RELEASED

WELL LOG

SEP 25 1990

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores, Report all 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 [X] No
Samples Sent to Geological Survey [ ] Yes [X] No
Cores Taken [ ] Yes [X] No

Formation Description [X] Log [ ] Sample

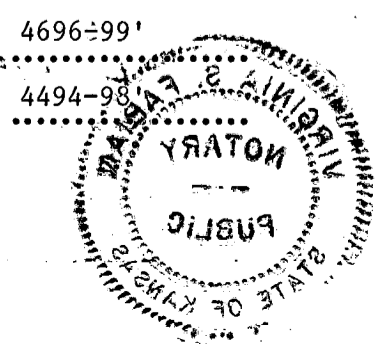
Table with columns: Name, Top, Bottom. Rows: Old Log Tops, Lansing, Morrow, Mississippian, Viola, Arbuckle.

CASING RECORD, PERFORATION RECORD, TUBING RECORD, Date of First Production, Estimated Production. Includes various fields for well details and production data.

METHOD OF COMPLETION

Production Interval

Disposition of gas: [ ] Vented [X] Sold [ ] Used on Lease
[ ] Open Hole [X] Perforation [ ] Other (Specify)
[ ] Dually Completed [X] Commingled





CUSTOMER COPY

ORIGINAL

SERVICE OPERATIONS CONTRACT  
TERMS 30 DAYS FROM DATE OF CONTRACT

P.O. Box 4442, Houston, Tx. 77210  
REMIT TO: P.O. Box 200416, Houston, Tx. 77216

DATE <b>3-10-89</b>	SERVICE CONTRACT NO. <b>513003</b>
NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> WELL TYPE <b>0</b>	JOB NUMBER
WELL NO. <b>A-1</b>	LEASE <b>VAN BLARICUM</b>
COUNTY/PARISH <b>CLARK</b>	CODE STATE <b>K.S.</b> CODE <b>15</b>
FIELD NAME	WELL OWNER <b>SOURCE PETROLEUM</b>
PUMPING EQUIPMENT	TIME (A OR P)
TRUCK CALLED	<b>209A</b> MM <b>3 10 89</b>
ARRIVED AT JOB	<b>10:30A</b> <b>3 10 89</b>
START OPERATION	<b>6:30P</b> <b>3 10 89</b>
FINISH OPERATION	<b>7:00P</b> <b>3 10 89</b>
TIME RELEASED	<b>7:45P</b>
MILES FROM STATION TO WELL	SALESMAN NUMBER

CUSTOMER ACCOUNT NO.	DIST NUMBER <b>320</b>
CUSTOMER <b>SOURCE PETROLEUM</b>	
ADDRESS <b>200 W. DOUGLAS ST. 320</b>	
CITY <b>WICHITA</b> STATE <b>KANSAS</b> ZIP <b>67202</b>	
AUTHORIZED BY <b>CHUCK SCHWARTZ</b>	ORDER NO.
STAGE NO.	TYPE JOB <b>0106</b> WORKING DEPTH <b>4922</b> FT
TOTAL PREV. GALS.	1 SURFACE <input type="checkbox"/> 2 INTERMEDIATE <input type="checkbox"/> 3 PRODUCTION <input checked="" type="checkbox"/> 4 REMEDIAL <input type="checkbox"/>
TOTAL MEAS. DEPTH FT.	SIZE HOLE <b>7 7/8"</b> DEPTH <b>6860</b> FT
	SIZE & WT. CASING <b>5 1/2" 14.0#</b> DEPTH <b>4353</b> FT
	SIZE & WT. DRILL PIPE OR TUBING <b>4 1/2"</b> DEPTH FT
AVG. PSI. <b>1300</b>	PACKER DEPTH
MAX. BPM <b>7</b>	FLUID PUMPED
S/S EMPLOYEE NUMBER <b>666454</b>	CUSTOMER INSTRUCTIONS FOR DISPOSAL OF RETURNED CEMENT

REMARKS

**RELEASED**

**OCT 15 1990**

**FROM CONFIDENTIAL**

**CONTRACT CONDITIONS:** (This contract must be signed before the job is commenced or merchandise is delivered)  
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of BJ TITAN SERVICES.

PRICE BOOK	PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
<b>0.7</b>		1	3,001' TO 3,000'	879.00	E	879.00
		13.53	RUS PER 100' BELOW 3,000'	9.80	E	182.03
		132	MEASURE R/T	1.10	E	145.20
		125	CLASS A	5.30	S	662.50
		5.86	A-10	14.60	C	85.56
		118	A-7P	32	L	37.76
		1.13	BT GEL	6.75	C	7.96
		500	REGULAR MUD SWEEP	1.45	G	725.00
		125	MIXING SERVICE	95	Q	118.75
		415.3	DRYAGE 6.3 X 66	.70	E	291.06

SERVICE REPRESENTATIVE **KEVIN BRUNGARDT**

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: **X [Signature]**

WICHITA, KANSAS

CONSERVATION DIVISION

STATE CORPORATION COMMISSION

RECEIVED

OCT 1 1990

WELL OWNER, OPERATOR, CONTRACTOR OR AGENT

CHECK IF CONTINUATION IS USED

CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.

# TITAN SERVICES

# CEMENTING LOG

STAGE NO.

P.O. BOX 4442 HOUSTON, TX 77210

Date: 3-10-39 District: IND. 6006 Ticket No. 512002  
 Company: SOURCE PETROLEUM Rig: HILLEN #  
 Lease: VAN LARICUM Well No. A-1  
 County: CLARK State: KANSAS  
 Location: 29-33-22W Field: HELAND 1 1/2 E 2 1/2 N 1/2 W  
 CASING DATA: PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size: 5/2" Type: \_\_\_\_\_ Weight: 14# Collar: BRD

**RELEASED**

Casing Depths: Top \_\_\_\_\_ Bottom \_\_\_\_\_  
3 1/2" 61-328' OCT 5 1990  
2 1/2" 81-4353'

**FROM CONFIDENTIAL**

Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size 7 7/8" T.D. 6360 ft. P.B. to \_\_\_\_\_ ft.  
 CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. 0.244 Lin. ft./Bbl. 40.9  
 Open Holes: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Drill Pipe: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

**CEMENT DATA:**

Spacer Type: 500 BALS. REGULAR MID SWEEP  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG  
**ORIGINAL**  
 LEAD: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Excess \_\_\_\_\_  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG  
 TAIL: Pump Time \_\_\_\_\_ hrs. Type CLASS A  
SURE-FILL (5-1-1) Excess \_\_\_\_\_  
 Amt. 125 Sks Yield 1.33 ft<sup>3</sup>/sk Density 15.3 PPG  
 WATER: Lead \_\_\_\_\_ gals/sk Tail 6.0 gals/sk Total \_\_\_\_\_ Bbls.

Pump Trucks Used: PSU 2901-PSUB 420 BOB P.  
 Bulk Equip. LSU 2903-S416 MAX W.

Float Equip: Manufacturer TAKER  
 Shoe: Type REGULAR Depth 4303  
 Float: Type ELEVATION COLLAR Depth 4316  
 Centralizers: Quantity 10 Plugs Top ROPER Btm. \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equip. 1-BASKET, 25-REG. SCRATCHERS  
 Disp. Fluid Type: FRESH H<sub>2</sub>O Amt. 121 Bbls. Weight 8.24 PPG  
 Mud Type \_\_\_\_\_ Weight \_\_\_\_\_ PPG

COMPANY REPRESENTATIVE: CHUCK SCHMIDT

CEMENTER: KEVIN PRUNGALOT

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls/Min.	
10:00						ON LOCATION, JOB & SAFETY PROCEDURE T26 UP
						RUN 50' CASING & CIRCULATE CASING & HOLE
6:30	400			12	5 1/2	HOOK UP TO CEMENT TUMP START MID SWEEP
	400		12	12		MID SWEEP IN - CHANGE VALVES TO PLUG RATHOLE
	100					CHANGE VALVES - START CEMENT
	600		4 1/2	29 1/2	6	CEMENT IN - STOP PUMPS - CHANGE VALVES FLUSH TUMP & LINES
	350					CHANGE VALVES - RELEASE PLUG
	200		4 3/4	2	2	START DISPLACEMENT
	350				7	INCREASE RATE
	300		13 3/4	90	5	MID SWEEP TURNS SHOE CEMENT TURNS SHOE - SLOW RATE
	750		14 7/2	14	4	START RECIPROCATING CASING
7:00	1500		15 3/2	5		STOP CASING - SLOW RATE TUMP PLUG

FINAL DISP. PRESS: 300 PSI BUMP PLUG TO 1300 PSI BLEEDBACK 1/2 BBLs. **THANK YOU**

Form No. SR 0502 (Rev. 7/85)  
 Note: Must accompany job ticket.