

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

JUN 01 2004

Form ACO-1

September 1999

Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASECONSERVATION DIVISION
WICHITA, KS

ORIGINAL

Operator: License # 30555
 Name: John Herrick
 Address: 225 Megan Lane
 City/State/Zip: Ottawa, KS 66067
 Purchaser: Crude Marketing
 Operator Contact Person: John Herrick
 Phone: (785) 242-6423
 Contractor: Name: Glaze Drilling
 License: 5885
 Wellsite Geologist: None
 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: Old Well Info as follows:
 Operator: _____
 Well Name: _____
 Original Comp. Date: _____ Original Total Depth: _____
☐ Deepening ☐ Re-perf. ☐ Conv. to Enhr./SWD
☐ Plug Back _____ Plug Back Total Depth _____
☐ Commingled _____ Docket No. _____
☐ Dual Completion _____ Docket No. _____
☐ Other (SWD or Enhr.?) _____ Docket No. _____
4/26/04 4/28/04 4/28/04
 Spud Date or Date Reached TD Completion Date or
 Recompletion Date Recompletion Date

API No. 15 - 121-27813-00-00
 County: Miami
 Sec. 30 Twp. 17 S. R. 22 ☒ East ☐ West
4125 feet from S / N (circle one) Line of Section
1455 feet from E / W (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW SW
 Lease Name: Brown Well #: 13
 Field Name: Paola/Rantoul
 Producing Formation: Peru
 Elevation: Ground: n/a Kelly Bushing: n/a
 Total Depth: 555 Plug Back Total Depth: _____
 Amount of Surface Pipe Set and Cemented at 20 Feet
 Multiple Stage Cementing Collar Used? ☐ Yes ☒ No
 If yes, show depth set _____ Feet
 If Alternate II completion, cement circulated from _____
 feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ALT #2 KJR 6/8/07
 (Data must be collected from the Reserve Pit)
 Chloride content n/a ppm Fluid volume n/a bbls
 Dewatering method used _____
 Location of fluid disposal if hauled offsite: _____
 Operator Name: _____
 Lease Name: _____ License No.: _____
 Quarter _____ Sec. _____ Twp. _____ S. R. _____ ☐ East ☐ West
 County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 of 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 geologist 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: [Signature]Title: Partner Date: 5/27/04Subscribed and sworn to before me this 27 day of May20 04Notary Public: [Signature]Date Commission Expires: 6-17-04 009000

KCC Office Use ONLY

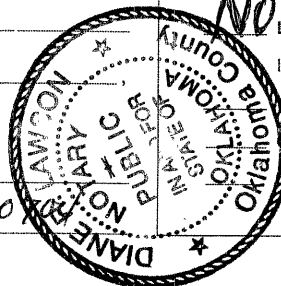
Letter of Confidentiality Received

If Denied, Yes ☐ Date: _____

Wireline Log Received

Geologist Report Received

C Distribution



X

Operator Name: John Herrick Lease Name: Brown Well #: 13
 Sec. 30 Twp. 17 S. R. 22 ☒ East ☐ West County: Miami

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

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:

Gamma ray/neutron

☒ Log Formation (Top), Depth and Datum ☐ Sample
 Name Top Datum

Base of hertha 204
 Peru Sand 339-356
 Squirrel Sand 503-510
 TD 555

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	6 1/4	6"		20	portland	5	
production	2 7/8	6"		553	50/50 poz	95	

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
____ Perforate				
____ Protect Casing				
____ 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
2	342-358	spot acid on perforations	
	504-508	frac with 30 sacks of sand	
	511-514	and gelled water	

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	1"	500			
Date of First, Resumerd Production, SWD or Enhr.	Producing Method				
waiting on completion	<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 Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
					27

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)

ORIGINAL

R.S GLAZE DRILLING COMPANY

22139S. VICTORY RD..
SPRING HILL, KS. 66083.
PHONE: (913) 592-2033.
EMAIL: GLAZEDRILLING2AOL.COM

WELL LOG

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 01 2004

CONSERVATION DIVISION
WICHITA, KS

BROWN 13

21	SURFACE	21
8	LIME	29
25	SHALE	54
5	LIME	59
39	SHALE	98
1	LIME	99
2	SHALE	101
16	LIME	117
8	SHALE	125
13	LIME	138
1	SHALE	139
14	LIME	153
2	SHALE	155
2	BLK SLATE	157
3	SHALE	160
26	LIME	186
3	SHALE	189
2	BLK SLATE	191
3	LIME	194
4	SHALE	198
6	LIME	204
36	SHALE	240
10	SDY SHALE	250
86	SHALE	336
3	RED BED	339
2	SAND	341
2	LIME	343
3	SDY LIME	346
2	SDY SHALE	348
8	SDY LIME	356
7	SDY SHALE	363
18	LIME	381
40	SHALE	421
8	LIME	429
12	SHALE	441
3	LIME	444
2	BLK SLATE	446
12	SHALE	458
6	LIME	464
19	SHALE	483
2	LIME	485

WINTER SET

BETHANY FALLS

HERTHA

BROWN

SOME BROWN

SOME BROWN

ORIGINAL

PAGE 2

1	SHALE	486	
3	BLK SLATE	489	
6	LIME	495	
8	SHALE	503	
4	SAND	507	OIL
3	SDY SHALE	510	OIL
42	SHALE	555	T.D.

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 01 2004

CONSERVATION DIVISION
WICHITA, KS

CONSOLIDATED OIL WELL SERVICES, INC.
211 W. 14TH STREET, CHANUTE, KS 66720
620-431-9210 OR 800-467-8676

JUN 01 2004

CONSERVATION DIVISION
WICHITA, KS

TICKET NUMBER 31621

LOCATION Ottawa
FOREMAN Bill Zabel

TREATMENT REPORT

ORIGINAL

DATE 4-28-04	CUSTOMER # 3554	WELL NAME Brown #13	FORMATION
SECTION 30	TOWNSHIP 17	RANGE 22	COUNTY MI
CUSTOMER John Herrick			
MAILING ADDRESS 225 Megan Lane			
CITY Ottawa			
STATE KS		ZIP CODE 66067	
TIME ARRIVED ON LOCATION			

WELL DATA

HOLE SIZE 6"	PACKER DEPTH
TOTAL DEPTH 555'	PERFORATIONS
	SHOTS/FT
CASING SIZE 2 7/8"	OPEN HOLE
CASING DEPTH 553	
CASING WEIGHT	TUBING SIZE
CASING CONDITION	TUBING DEPTH
	TUBING WEIGHT
	TUBING CONDITION
TREATMENT VIA	

TRUCK #	DRIVER	TRUCK #	DRIVER
369	Rick A		
122	Shane M		
368	John M		
372	Bill Z		

TYPE OF TREATMENT

<input type="checkbox"/> SURFACE PIPE	<input type="checkbox"/> ACID BREAKDOWN
<input checked="" type="checkbox"/> PRODUCTION CASING	<input type="checkbox"/> ACID STIMULATION
<input type="checkbox"/> SQUEEZE CEMENT	<input type="checkbox"/> ACID SPOTTING
<input type="checkbox"/> PLUG & ABANDON	<input type="checkbox"/> FRAC
<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> FRAC + NITROGEN
<input type="checkbox"/> MISF. PUMP	<input type="checkbox"/>
<input type="checkbox"/> OTHER	<input type="checkbox"/>

PRESSURE LIMITATIONS

	THEORETICAL	INSTRUCTED
SURFACE PIPE		
ANNULUS LONG STRING		
TUBING		

INSTRUCTION PRIOR TO JOB

Established circulation mixed & pumped 2sa Gel to Clean Hole.
Followed By 5 BBL Clean Water Mixed & Pumped
95sa 30/50 Ppz 2% Gel Circulated Cement to Surface. Flashed Pump
& Pumped 2 1/2 Rubber Plug to TD. Well Head 675psi. Shut In.

AUTHORIZATION TO PROCEED

TITLE

DATE

4-28-04
Bill Zabel

TIME AM / PM	STAGE	BBL'S PUMPED	INJ RATE	PROPPANT PPG	SAND / STAGE	PSI	
							BREAKDOWN PRESSURE
							DISPLACEMENT
							MIX PRESSURE
							MIN PRESSURE
						675psi	ISIP
							15 MIN.
						4.5BPM	MAX RATE
							MIN RATE
1:30 PM							Plus Down.

TERMS

In consideration of the prices to be charged for our services, equipment and products as set forth in Consolidated Oil Well Services, Inc's (COWS) current Price Schedule, and for the performance of services and supplying of materials; customer agrees to the following terms and conditions.

Terms. Cash in advance unless satisfactory credit is established. On credit sales, invoices payable to P.O. Box 884, Chanute, KS 66720. Invoices payable within 30 days of invoice date. Charges subjected to interest after 30 days from invoice date. Interest will be charged at Maximum rate allowed by law. In the event it is necessary to employ an attorney to enforce collection of such account, customer agrees pay all collection costs and attorney's fees in the amount of 20% of said amount.

Any applicable federal, state or local sales, use, occupation, consumer's or emergency taxes shall be added to the quoted price.

A sales tax reimbursement of 2% is applied to chemical and product charges for all services performed on oil and gas wells in the State of Texas.

All process license fees required to be paid to others will be added to the scheduled prices.

All prices are subject to change without notice.

SERVICE CONDITIONS

Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by COWS.

"The customer shall at all time have complete care, custody, and control of the well, the drilling and production equipment at the well, and the premises about the well. A responsible representative of the customer shall be present to specify depths, pressures, or materials used for any service which is to be performed."

- (a) COWS shall not be responsible for, and customer shall secure COWS against any liability for damage to property of customer and of the well owner (if different from customer), unless caused by the willful misconduct or gross negligence of COWS, this provision applying to but not limited to sub-surface damage and surface damage arising from subsurface damage.
- (b) Customer shall be responsible for and secure COWS against any liability for reservoir loss or damage, or property damage resulting from sub-surface pressure, losing control of the well and/or a well blowout, unless such loss or damage is caused by the willful misconduct or gross negligence of COWS.

- (c) Customer shall be responsible for and secure COWS against any and all liability of whatsoever nature for damages as a result of a subsurface trespass, or an action in the nature thereof, arising from a service operation performed by COWS hereunder.

- (d) Customer shall be responsible for and secure COWS against any liability for injury to or death of persons, other than employees of COWS, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole, unless such damage shall be caused by the willful misconduct or gross negligence of COWS.

- (e) COWS makes no guarantee of the effectiveness of the products, supplies or materials, nor of the results of any treatment or services.

- (f) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, COWS is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by COWS. COWS personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but customer agrees that COWS shall not be responsible for any damage arising from the use of such information except where due to COWS gross negligence or willful misconduct in the preparation or furnishing of it.

WARRANTIES - LIMITATION OF LIABILITY

COWS warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED OR MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. COWS's liability and customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to COWS or, at COWS's option, to the allowance to the customer of credit for the cost of such items. In no event, shall COWS be liable for special, incidental, indirect, punitive or consequential damages.

COWS personnel will use their best efforts in gathering such information and their best judgement in interpreting it, but Customer agrees that COWS shall not be liable for and CUSTOMER SHALL INDEMNIFY AGAINST ANY DAMAGED ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed by the COWS negligence or fault.