

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

API NO. 15- 007 226060000 ORIGINAL

County Barber

SW -SW - SE - 8 Sec. 35S Twp. 15 Rge. X ^E _W

450 Feet from (S)N (circle one) Line of Section

2185 Feet from (E)W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, (SE) NW or SW (circle one)

Lease Name Woolsey Well # 1-8

Field Name Aetna Gas Area

Producing Formation Miss

Elevation: Ground 1697 KB 1705

Total Depth 5225 PBTD 5190

Amount of Surface Pipe Set and Cemented at 261 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan AH.1 4-3-00 v.c.
(Data must be collected from the Reserve Pit)

Chloride content 2000 ppm Fluid volume 100 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

Operator Name McGinness

Lease Name Lohmann License No. 5255

Quarter 3 Sec. 35 Twp. 15 S Rng. 12 ^E _W

County Barber Docket No. CD 4812

Operator: License # 32210

Name: Harry A. Spring

Address P.O. Box 1788

City/State/Zip Ardmore, OK 73402

Purchaser: Westana

Operator Contact Person: Harry A. Spring

Phone (580) 226-3800

Contractor: Name: Duke Drilling

License: 5929

Wellsite Geologist: Mike Pollok

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD S10W Temp. Abandon
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

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. _____

11-15-99 11-24-99 1-7-00

Spud Date Date Reached TD Completion Date

RECEIVED
STATE CORPORATION COMMISSION
CONSERVATION DIVISION
Wichita, Kansas
MAR 30 2000
330-88

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 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 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] Harry A. Spring

Title Owner Date 3-28-2000

Subscribed and sworn to before me this 28th day of March,
2000.

Notary Public [Signature]

Date Commission Expires April 13, 2002

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)

SIDE TWO

Operator Name Harry A. Spring

Lease Name Woolsey Well # 1-8

Sec. 8 Twp. 35S Rge. 15
 East
 West

County Barber

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
 (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 Ind CNL-DEN
Micro

Name	Formation (Top), Depth and Datum		Sample
	Top	Datum	
Chase	2298	-593	
B. Heebner	4188	-2483	
Cherokee	5052	-3347	
Miss	5088	-3383	
TD	5225		

CASING RECORD <input checked="" type="checkbox"/> New <input checked="" 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
Surf	12 1/4	8 5/8 new	24	261	Poz mix	175	2% gel 3% CC
Prod	7 7/8	4 1/2 used	11.6	5224	ASC	150	ASC

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> 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	5147-5140 5130-5126 5106-5090	750 gal 7 1/2% acid
		Frac w/21,000 gal 65Q N ₂ Foam
		and 70,000 #20-40 sd

TUBING RECORD		Size	Set At	Packer At	Liner Run	Production Interval	
		2 3/8"	5026	5026	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Miss	
Date of First, Resumed Production, SMD or Inj.			Producing Method <input checked="" type="checkbox"/> Flowing <input 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		
	4	527	0	131,750	.6		

Disposition of Gas: **METHOD OF COMPLETION** Production Interval Miss
 Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
 (If vented, submit ACO-1B.) Other (Specify) _____

15-007-22606-0000
CEMENTING LOG

STAGE NO.



Date 11-15-99 District Med. Lodge Ticket No. 2185
 Company Harry Spring Rig Duke 2
 Lease Woolsey 1-82 Well No. 1-8
 County Barber State KS
 Location Headwater west to Deerhead Rd. to E, 15 Field 8-355-LSW

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size: 8 7/8 Type: _____ Weight 24 Colker _____

Casing Depths: Top FB Bottom 261

Drill Pipe: Size 4 1/2 Weight 16.60 Collars _____
 Open Hole: Size 3 1/2 TO 1015 ft. PB to _____ ft

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. -0.637 Lin. ft./Bbl. 1.570
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. -0.735 Lin. ft./Bbl. 1.360
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:
 Spacer Type: Fresh water
 Amt. _____ Skys Yield _____ 11 1/2/sk Density 8.74 PPG

LEAD: Pump Time _____ hrs. Type: 60:40:2+3 1/2 cc
 Amt. 175 Skys Yield 1.26 11 1/2/sk Density 14.8 PPG

TAIL: Pump Time _____ hrs. Type: _____
 Amt. _____ Skys Yield _____ 11 1/2/sk Density _____ PPG
 WATER: Lead 5.6 (gals/sk fill) _____ gals/sk Total 23 Bbls.

Pump Trucks Used 261-265 Stlane winstar
 Bulk Equip. 259-251 David west

Fluid Equip. Manufacturer _____
 Shoe: Type _____ Depth _____
 Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top wooden Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type: freshwater Amt. 15.74 Bbls. Weight 8.24 PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE John Armbruster

CEMENTER Carl Balding

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Hour Period	RATE Bbls/Mhr.	
10:30						Rig up.
11:00						Run 261 ft of 8 7/8 casing. Breaks circulation.
11:45	100		3	3	5	Start Freshwater
	200		43	40	6	Mix + pump 175 skx 60:40:2+3 1/2 cc Cement in.
	50				3	Switch valves + Release plug Start displacement
	25		58 3/4	15 3/4	4 1/2	Steady Rate Displacement in
	25					stop pump
12:00	25					shut in casing Cement did circulate ✓

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 3-30-00
 MAR 30 2000

FINAL DISP. PRESS: 25 PSI BUMP PLUG TO _____ PSI BLEEDBACK shut-in BBLs. CONSERVATION DIVISION
 Tabor Printing, Inc., Pratt, KS

15-007-22606-0000
CEMENTING LOG



Date: 11-25-99 District: Med Lodge Ticket No: 269B
 Company: WARRY A. SPONGE Rig: DUNE #2
 Lease: Woolsey Well No: L-B
 County: BARBER State: KANSAS
 Location: B-35-15W Field: PTINA
HARDNER 1B 24W, 1S, 14W

CASING DATA: PTA Squeeze Fl
 Surface Intermediate Production Liner
 Size: 4 1/2" Type: LS20 Weight: 11.6* Collar: BRD

BUKST - 4960* } VALUES FOR
COLLARS - 5350* } NEW CASTING
 Casing Depths: Top: KB Bottom: 5224'

CEMENT DATA:
 Spacer Type: 500 Gals. Mud Clean
 Amt. _____ Ska Yield _____ ft³/sk Density _____ PPG _____

LEAD: Pump Time _____ hrs. Type: 60-40-6
 Amt. 25 Ska Yield 1.58 ft³/sk Density 13.8 PPG _____

TAIL: Pump Time _____ hrs. Type: ASC
+ 5* HO-500 + 1/4* FO-500 Excess _____
 Amt. 150 Ska Yield 1.52 ft³/sk Density 14.5 PPG _____

WATER: Lead 7.8 gal/sk Tail 723 gal/sk Total 30.4 Bbls.
 Pump Trucks Used: 343 JUSTIN HOLT
 Bulk Equip.: 301 LARRY DRELLING

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size: 7 7/8" I.D. 5225 ft P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. .0155 Lin. ft./Bbl. 64.34'
 Open Holes: Bbls/Lin. ft. .0602 Lin. ft./Bbl. 16.59'
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. .0406 Lin. ft./Bbl. 24.64'
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____

Floor Equip. Manufacturer: LEADERSFORD
 Shoe Type: CEMENT Depth: 5224'
 Float Type: AFU COLLAR Depth: 5209'
 Centralizers: Quantity 7 Plugs Top: RUBBER Btm: RUBBER
 Stage Collars: _____
 Special Equip.: _____
 Disp. End Type: FRESH H₂O Amt: 8 1/2 Bbls. Weight: 8.34 PPG _____
 Mud Type: CHEMICAL Weight: 9.3 PPG _____

COMPANY REPRESENTATIVE: ROY CUSTARD

CEMENTER: KEVIN BRUNOLOT

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumpout Per Time Period	RATE Bbls. Min.	
2:30						ON LOCATION, REG UP
						RUN 4 1/2" CGS. + BREAK CIRCULATION
9:40	600		10	10	5	REG UP TO CEMENT PUMP
	700		22	12	5	START FRESH H ₂ O
	700		24	2	5	FRESH H ₂ O IN - RELEASE BOTTOM PLUG
	1100		31	7	5	START MUD CLEAN
	1100		51	20	6 1/2	MUD CLEAN IN - START FRESH H ₂ O
	400		73	22	6 1/2	FRESH H ₂ O IN - STOP PUMPS - RECORD HEAD
	300					PLUG RAT + MOUSE HOLES
	100				2	START ASC FOR 4 1/2" CGS
	300	75		2	6	GRADUAL PSE DROP
	500	105		30	6	ASC IN - STOP PUMPS - CHANGE VALVES
	800	125		30	6	WASH PUMP + LINES - CHANGE VALVES
	900	151		26	4	RELEASE TOP PLUG - START ASSEMBLY
10:30	1600	152 1/2		14 1/2	3	INCREASE RATE
						GRADUAL PSE INC.
						GRADUAL PSE INC.
						SLOW RATE
						BUMP PLUG + HEAD PSE

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FINAL DISP. PRESS: 1000 PSI BUMP PLUG TO: 1600 PSI B/FUGBACK: 1/2 BBLs.

MAR 30 2000
 3-30-00
 CONSERVATION DIVISION
 Wichita, Kansas