

ORIGINAL

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

API NO. 15- 007-225900000

County Barber

SE Sec. 9 Twp. 35 Rge. 15 X E

1150 Feet from SYN (circle one) Line of Section

1900 Feet from EYW (circle one) Line of Section

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

Lease Name Mesa Top Well # 1-9

Field Name _____

Producing Formation Ft. Scott/ Oswego

Elevation: Ground 1774 KB 1763

Total Depth 5250 PBDT 5205

Amount of Surface Pipe Set and Cemented at 1026 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, 3-2-99 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 4000 ppm Fluid volume 1000 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

Operator Name Molz

Lease Name _____ License No. 6006

NW Quarter Sec. 29 Twp. 32 S Rng. 10 E/W

County Barber Docket No. CD #11804

Operator: License # 32210

Name: Harry A. Spring

Address P.O. Box 1788

City/State/Zip Ardmore, OK 73402

Purchaser: Westona Gathering

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 SLOW Temp. Abd.
 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 PBDT
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

12-29-98 1-10-99 1-21-99
Spud Date Date Reached TD Completion Date

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]

Title Owner Date 2-16-99

Subscribed and sworn to before me this 16th day of February, 19 99.

Notary Public [Signature]

Date Commission Expires April 13, 2002

K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input checked="" type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
<input type="checkbox"/>		<input type="checkbox"/> NGPA
<input type="checkbox"/>		<input type="checkbox"/> Other
(Specify)		

ORIGINAL

SIDE TWO

Operator Name Harry A. Spring

Lease Name Mesa Top

Well # 1-9

Sec. 9 Twp. 35S Rge. 15

East

County Barber

West

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, Micro, CNC-Den

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Base Heebner	4240'	-2466'
Lancing KC	4426'	-2652'
Ft Scott	5056'	-3282'
Cherokee Sh B.	5102'	-3328'
Mississippi	5134'	-3360'

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
Surf New	12 1/4"	8 5/8"	23	1026	Class A	300	2% gel 3% CC
Prod Used	7 7/8"	4 1/2"	10.5	5248	ASC	175	5# Kolseal 1/4# Flocele

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	5060' - 70'	2000 gal 20% NE	

TUBING RECORD Size 2 3/8" Set At 5000 Packer At 5000 Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 2-1-99 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	1321	0		67

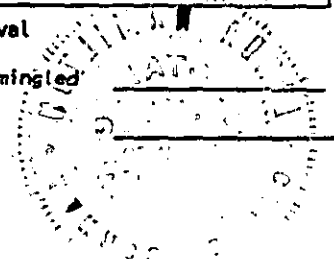
Disposition of Gas:

METHOD OF COMPLETION

Production Interval

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

Open Hole Perf. Quality Comp. Commingled
 Other (Specify)



ALLIED CEMENTING CO., INC. 9868

Federal Tax I.D. # 48-0727060

REMIT TO: P.O. BOX 31
RUSSELL, KANSAS 67663

SERVICE POINT:

15-007-22570-0000

DATE 12-30-98	SEC 9	TWP 35	RANGE 15 W	CALLED OUT 6:00 AM	ON LOCATION 10:00 AM	JOB START	JOB FINISH
LEASED	WELL # 1-9	LOCATION HARDYVER KS 15 W		COUNTY	STATE		
OLD OR NEW (Circle one)		12 S, W + N into					

CONTRACTOR Duke Rig #5 OWNER _____

TYPE OF JOBS Face

HOLE SIZE 12 1/2 TD 1020 CEMENT _____

CASING SIZE 8 1/2 + 22 DEPTH _____ AMOUNT ORDERED 150 sq 2 1/2 3/4 + 1 1/2 3/4

TUBING SIZE _____ DEPTH _____ 725 sq 65 35 2 3/4 + 1 1/2 3/4

DRILL PIPE _____ DEPTH _____ used 150 2 3/4 + 225 1 1/2

TOOL _____ DEPTH _____

PRES. MAX 300 MINIMUM _____ COMMON _____ @ _____

MEAS. LINE _____ SHOE JOINT 40 1/2 POZMIX _____ @ _____

CEMENT LEFT IN CSG _____ GEL _____ @ _____

PERES. lines Circulation 40' feet CHLORIDE _____ @ _____

DISPLACEMENT _____ @ _____

EQUIPMENT

PUMP TRUCK CEMENTER Carl Bolding

256-265 HELPER Shane Winsel

BULK TRUCK _____

259-251 DRIVER Abner Blungard

BULK TRUCK _____

_____ DRIVER _____

HANDLING _____ @ _____

MILEAGE _____ @ _____

TOTAL _____

REMARKS: PART

Rope on bottom pump pipe cap w/ Rig

use pump 150 sq hite + 150 sq A 3/4

Connect a sub pump with valves + Release plug

Displace w/ 65 3/4 2 3/4 Freshwater, Pump plug

+ Shift to 65 3/4 2 3/4

give a cement basket top off with

75 sq 15 3/4 1 1/2 3/4 + 1 1/2 3/4

DEPTH OF JOB 1026

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

PLUG Rubber _____ @ _____

TOTAL _____

CHARGE TO Duke Drilling Co.

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

1- ROEHL plate _____ @ _____

1- Basket _____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Donald A. Demel Rig #5

PRINTED NAME Donald A. Demel

ALLIED CEMENTING CO., INC. 9873

Federal Tax I.D.# 48-0727060

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

15-007-72590-0000

SERVICE POINT: Medicine Lodge

DATE <u>1-6-99</u>	SEC. <u>9</u>	TWP. <u>35s</u>	RANGE <u>15W</u>	CALLED OUT <u>2:00 pm</u>	ON LOCATION <u>5:00 pm</u>	JOB START <u>11:30 am</u>	JOB FINISH <u>12:15 am</u>
LEASE <u>Medicine Lodge</u>	WELL # <u>1-9</u>	LOCATION <u>HARDYNER 17th w,</u>	COUNTY <u>Barber</u>	STATE <u>Ks.</u>			
OLD OR <u>(NEW)</u> (Circle one)		<u>1 1/2 # 5 w, no into</u>					

CONTRACTOR Duke Rig #5
 TYPE OF JOB production
 HOLE SIZE _____ ID. _____
 CASING SIZE 4 1/2 x 10.5 DEPTH 5250
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX 1450 MINIMUM 200
 MEAS. LINE _____ SHOE JOINT .35
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT 83 1/4
 EQUIPMENT
 PUMP TRUCK CEMENTER Carl Balding
 # 343 HELPER Justin Hart
 BULK TRUCK
 # 259-314 DRIVER John Kelley
 BULK TRUCK
 # _____ DRIVER _____

OWNER Harry A Spring
 CEMENT
 AMOUNT ORDERED 25 5x 60:40:6
175 5x ASC + 5 Gal seal + 1/2 Flo-seal
300 Gal Mud-clean
 COMMON 15 5x @ 6.35 95.25
 POZMIX 10 5x @ 3.25 32.50
 GEL 7 5x @ 1.30 9.10
 CHLORIDE _____ @ _____
ASC 175 5x @ 8.20 1435.00
Kal-seal 875 lbs @ .38 332.50
Flo-seal 44 lbs @ 1.15 50.60
Mud-clean 300 Gal. @ .75 225.00
 HANDLING 200 5x @ 1.05 210.00
 MILEAGE 20 5x x .04 x 35 280.00
 TOTAL 2820.35

REMARKS:

SERVICE

Pipe on bottom break circulation
Circ. for 45 min Release bottom plug + pump
2 bbls Mud-clean bond top plug + pump 10 bbls
Mud-clean, plug lost + mouse hole w/ 25 5x 60:40:6
pump 175 5x ASC + 5 Gal seal + 1/2 Flo-seal
 cement in, switch valves + wash pump + lines
switch valves + Release top plug. Displace
with 83 1/4 bbls Freshwater. Plug plug
Flt at Hold

DEPTH OF JOB <u>5250</u>	
PUMP TRUCK CHARGE	<u>1290.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>35</u>	@ <u>2.85</u> <u>99.75</u>
PLUG Bottom Rubber	@ <u>45.00</u> <u>45.00</u>
Top Rubber	@ <u>38.00</u> <u>38.00</u>
	@

TOTAL 1472.75

CHARGE TO: Harry A Spring
 STREET P.O. Box 1788
 CITY Fromore STATE OKLA. ZIP 73402

FLOAT EQUIPMENT

<u>1 Guide shoe</u>	@ <u>140.00</u> <u>140.00</u>
<u>1 AFU Float Collar</u>	@ <u>272.00</u> <u>272.00</u>
<u>7 Centralizers</u>	@ <u>53.00</u> <u>371.00</u>
<u>1 Stop Ring</u>	@ <u>20.00</u> <u>20.00</u>
	@

TOTAL 803.00

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____
 TOTAL CHARGE 5096.10
 DISCOUNT 764.41 IF PAID IN 30 DAYS
 NET 4331.69
Harry Spring
 PRINTED NAME

SIGNATURE [Signature]

15-007-22590-0000



Registered Professional Engineer

HARRY A. SPRING

Consulting Geological Engineer

P. O. Box 1788

Ardmore, Oklahoma 73402

580/226-1910

Mesa Top #1-9

Purchaser: Westana Gathering
12200 North Pecos Street
Suite 230
Denver, CO 80234-3439
PH: 303-452-5603

First Date of Sales: 2-1-99



CEMENTING LOG

STAGE NO. _____

Date 1-6-99 District Medicine Lodge Ticket No. 9873
 Company HARRY A SPRING No. Disk # 5
 Lease Sales to p Well No. 7-9
 County Barber State Ks.
 Location HARDNER KS Field 9-35-15u
174w, 15 s, 11 N into

CEMENT DATA
 Cement Type 500 Gal Mud-clean
 ft³/sk Density _____ PPG

CASING DATA: PTA Squeeze
 Surface Completion

LEAD: Pump Time _____ hrs. Type EO-40-6
 Excess _____
 Amt. 25 Slit Yield 1.58 ft³/sk Density 13.8 PPG
 hrs. Type ASC + 5"
 Amt. 125 Slit Yield 1.57 ft³/sk Density 14.5 PPG
 WATER: Lead 7.8 gal/sk Tail 7.23 gal/sk Total 5.5 Bbls.

Casing Depth: Top KB Bottom 5250

Pump Trucks Used 343 Justin Hart
 Drk Equip 259-314 John Kelly

Drill Floor Size _____
 Open Hole Size _____
 CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. .0159 Lin. ft./Bbl. 62.70
 Open Hole: Bbls/Lin. ft. .0602 Lin. ft./Bbl. 16.59
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annular: Bbls/Lin. ft. 24.06 Lin. ft./Bbl. 4.14
 Perforations: From _____

Float Equip. Manufacturer GEMCO
 Shoe Type Regular Guide Shoe Depth 5250
 Float Type APU Float Collar Depth 5215
 Centralizers: Quantity 7 Plug Top Strm. _____
 Special Equip. 1 Basket
1 Stop Ring
 Frac Type Free Water Amt. _____ Bbls. Weight 8.34 PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE HARRY A SPRING

CEMENTER Carl Building

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE	CASING	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min	
3:00 AM						On location + Rig up Pipe on bottom Check circulation w/pump Release bottom plug + pump 2 bbl mud clean + 2 bbl cement lead to 10' and 10' of 40:6 Mud pump 415 x ASC Mud pump 415 x ASC Switch valves + wash pump + lines Start Displacement Steady rate Mud clean turn shoe Mud turn shoe - Slow Rate Space lift pressure Elow rate Displacement in