

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1092577

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

| OPERATOR: License # | | | API No. 15 | | |
|---|------------|--------------------|--|-------------------------|-----------------------|
| Name: | | | Spot Description: | | |
| Address 1: | | | SecTwpS. R | | |
| Address 2: | | | F6 | eet from North / | South Line of Section |
| City: | State: Z | ip:+ | Fe | eet from East / | West Line of Section |
| Contact Person: | | | Footages Calculated from Nearest Outside Section Corner: | | |
| Phone: () | | | □NE □NW □SE □SW | | |
| CONTRACTOR: License # | | | GPS Location: Lat:, Long: | | |
| Name: | | | | (e.g. xx.xxxxx) | (e.gxxx.xxxxx) |
| Wellsite Geologist: | | | Datum: NAD27 | NAD83 WGS84 | |
| Purchaser: | | | County: | | |
| Designate Type of Completion: | | | Lease Name: | W | ell #: |
| | e-Entry | Workover | Field Name: | | |
| | _ | | Producing Formation: Kelly Bushing: | | |
| ☐ Oil ☐ WSW | ☐ SWD | ☐ SIOW | | | |
| ☐ Gas ☐ D&A ☐ ENHR ☐ SIGW | | | Total Vertical Depth: Plug Back Total Depth: | | |
| ☐ OG ☐ ☐ GSW ☐ Temp. Abd. ☐ CM (Coal Bed Methane) | | | Amount of Surface Pipe Set and Cemented at: Feet | | |
| Cathodic Other (Core, Expl., etc.): | | | Multiple Stage Cementing | Collar Used? Yes | No |
| If Workover/Re-entry: Old Well I | | | If yes, show depth set: | | |
| Operator: | | | If Alternate II completion, c | cement circulated from: | |
| Well Name: | | | feet depth to: | w/ | sx cmt. |
| Original Comp. Date: | | | | | |
| Deepening Re-perf | J | ENHR Conv. to SWD | Drilling Fluid Managemer | nt Plan | |
| Plug Back | Conv. to G | | (Data must be collected from to | | |
| Commingled | Permit # | | Chloride content: | ppm Fluid volume | : bbls |
| Dual Completion | | | Dewatering method used:_ | | |
| SWD | | | Location of fluid disposal if | hauled offsite: | |
| ENHR | Permit #: | | | | |
| GSW Permit #: | | Operator Name: | | | |
| | | | Lease Name: | | |
| Spud Date or Date R | eached TD | Completion Date or | Quarter Sec | TwpS. R | East West |
| Recompletion Date | | Recompletion Date | County: | Permit #: | |

AFFIDAVIT

I am the affiant and I hereby certify that 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.

Submitted Electronically

| KCC Office Use ONLY | | | | |
|---------------------------------|--|--|--|--|
| Confidentiality Requested | | | | |
| Date: | | | | |
| Confidential Release Date: | | | | |
| Wireline Log Received | | | | |
| Geologist Report Received | | | | |
| UIC Distribution | | | | |
| ALT I II III Approved by: Date: | | | | |

Page Two



| Operator Name: | | | | Lease N | lame: _ | | | Well #: | | |
|--|------------------------------|---------------|--------------------------------------|---------------|-------------|----------------------------|---|---|-------------------|-------------|
| Sec Twp | S. R | East | West | County: | | | | | | |
| INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to | ing and shut-in pressu | ires, whet | her shut-in pre | ssure reach | ned stati | c level, hydrostat | tic pressures, bott | | | |
| Final Radioactivity Log files must be submitte | | | | | | gs must be ema | iled to kcc-well-lo | gs@kcc.ks.go | v. Digital ele | ctronic log |
| Drill Stem Tests Taken (Attach Additional S | | Ye | s No | | L | | n (Top), Depth an | | | nple |
| Samples Sent to Geol | ogical Survey | Ye | s No | | Nam | е | | Тор | Dat | um |
| Cores Taken Electric Log Run | | ☐ Ye | | | | | | | | |
| List All E. Logs Run: | | | | | | | | | | |
| | | | CASING | RECORD | Ne | w Used | | | | |
| | | Repor | t all strings set-c | conductor, su | rface, inte | rmediate, producti | on, etc. | | ı | |
| Purpose of String | Size Hole Drilled | | Casing (In O.D.) | Weig Lbs./ | | Setting Depth | Type of Cement | # Sacks Used | Type and Addit | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | ADDITIONAL | CEMENTIN | IG / SQL | EEZE RECORD | | | | |
| Purpose: Perforate Protect Casing Plug Back TD | Depth Top Bottom | Type | of Cement | # Sacks | Used | Type and Percent Additives | | | | |
| Plug Off Zone | | | | | | | | | | |
| Did you perform a hydrau Does the volume of the to Was the hydraulic fractur | otal base fluid of the hydra | aulic fractur | 0 | , | 0 | ? Yes | No (If No, ski | o questions 2 ar o question 3) out Page Three | |) |
| Shots Per Foot | | | D - Bridge Plug ach Interval Perf | | | | cture, Shot, Cement mount and Kind of Ma | | d | Depth |
| | | | | | | | | | | |
| | | | | | | | | | | |
| TUBING RECORD: | Size: | Set At: | | Packer At | | Liner Run: | | | | |
| TOBING NECOND. | Size. | Sel Al. | | Facker At | • | _ | Yes No | | | |
| Date of First, Resumed | Production, SWD or ENF | IR. | Producing Meth | nod: | e 🗆 | Gas Lift O | ther (Explain) | | | |
| Estimated Production Per 24 Hours | Oil B | bls. | Gas | Mcf | Wate | er Bl | ols. G | as-Oil Ratio | (| Gravity |
| DISPOSITIO | ON OF GAS: | | N | METHOD OF | COMPLE | TION: | | PRODUCTIO | ON INTERVAL | <u>.</u> |
| Vented Sold | | | pen Hole | Perf. | Dually | Comp. Com | nmingled | | | |
| (If vented, Sub | omit ACO-18.) | | ther (Specify) | | (Submit) | 100-5) (Subi | mit ACO-4) | | | |

| Form | ACO1 - Well Completion |
|-----------|--------------------------------|
| Operator | Woolsey Operating Company, LLC |
| Well Name | JAHAY 5 |
| Doc ID | 1092577 |

Perforations

| Shots Per Foot | Perforation Record | Material Record | Depth |
|----------------|--------------------------------|---|--------------|
| 4 | 4942-4954 VIOLA | 600 gal 15% MIRA | 4942-4954 |
| | | 1200 gal 15% DSNEFE | 4942-4954 |
| | | 8568 gal Progel LG 2500, 15,000# | |
| | | 20/40 brown sd, 267,000 SCF Nitrogen, & numerous additives | 4942-4954 |
| | | CIBP | 4930 |
| 4 | 4612-4616 & 4619- 4654 MISS | 3800 gal 10% MIRA | 4612-4700 OA |
| 2 | 4656-4672 & 4679- 4700 MISS | 554,190 gal slick wtr, 170,700# 30/50 brown sd, | |
| | | 60,800# 16/30 brown sd, 18,500# 16/30 resin coated sand, numerous additives | 4612-4700 OA |

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Mark Sievers, Chairman Thomas E. Wright, Commissioner Sam Brownback, Governor

September 04, 2012

DEAN PATTISSON Woolsey Operating Company, LLC 125 N MARKET STE 1000 WICHITA, KS 67202-1729

Re: ACO1 API 15-007-23872-00-00 JAHAY 5 SW/4 Sec.31-33S-10W Barber County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, DEAN PATTISSON

ALLIED OIL & GAS SERVICES, LLC 053802 Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Med Lodge KS

| | | | | | | 7.00000 | T LOJ |
|--|---------------------|-----------------------|---|-------------|----------------------|--------------------|---------------|
| DATE ()5/16/2012 | SEC. TWP. | RANGE 10₩ | CALLED O | UT | ON LOCATION | JOB START | JOB FINISH |
| LEASE Jay hay | well# 5 | LOCATION Shor | on KS ' | Smut) | on Trick RI | COUNTY | STATE |
| OLD OR (EW) (Ci | | West on Gerla | ne 2.8ml | North | into | Darber- | 1 22 |
| CONTRACTOR | Dike 7 | | | | olsey | _ | |
| TYPE OF JOB S. | | | OWN | K WO | OUTY | | |
| HOLE SIZE 14 | | D. 27/ | – CEMI | ENT | | | |
| CASING SIZE 10 | 77 | EPTH 219 | | INTODI | DERED 2405 16 Gel | ~ ACL | ce At |
| TUBING SIZE | | EPTH | - ~~~ | cc +2 | SERED CIOS | X = C19 | 22/41 |
| DRILL PIPE | | EPTH | | در ا | 16 CE | | |
| TOOL | | EPTH | | | | | |
| PRES. MAX | | INIMUM | COMN | 10N C | ass A 20 | 108 16 25 | 7980 |
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| DISPLACEMENT | 1934 | | | | | _@ | |
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| | & | - | | | | | |
| PUMP TRUCK | CEMENTER <u></u> ゴa | ett ` / | | | | @ | |
| | HELPER Derrect | | | | | | |
| # 4 1/20 C BULK TRUCK | HELFER Perfect | 1950NZ | | | | | |
| # 364 | DRIVER D. 1 | Boor/ Tre Hawk | , | | | | |
| BULK TRUCK | DRIVER Dranda | 1 Dody Use Maw K | | | | | |
| | DRIVER | | | | | @ | |
| | DRITER | | | | 2543X | | 5715 |
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| Corres | 014 | | EXTR | A FOOT | AGE | @ | 1120 |
| P Operati | 0119 | | MILE | AGE | 25 | - @ | 32 |
| lers Ullion | | | | | | _ @/ @ | |
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| ł a | 101 | | | | | | |
| CHARGE TO: | 101 lse y | | | | | | |
| STREET | | | nankess | | | TOTAL | L 1257 |
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| | | | *************************************** | | | _ ພ | |
| To: Allied Oil & | Goo Samiona III | 3 | | | m 1 | _ w | - |
| To: Allied Oil & | | | - | *********** | | w | |
| | | ementing equipment | | ~ | 1,0 | | |
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| PRINTED NAME. SIGNATURE |)-a-MPA | Sant | | | | | |
| SIGNATURE | 1 WWY V | 12/2/ | | | | | |

ALLIED OIL & GAS SERVICES, LLC 053953

Federal Tax I.D.# 20-5975804

RANGE

T.D.

5丼 DEPTH どの33S

MINIMUM

SHOE JOINT 38

DEPTH

DEPTH

DEPTH

EQUIPMENT

DRIVER Garnes

REMARKS:

305 to Of coment for Retholog M. V 1050

Comen for mouse hely mix Jose of less Coment, Mix 13550 of toil Comenty Shut

Lown, Wish pump blines, Peresse plus, 34000 Lispiccement, Life pressure of 80 bb/s, Slow role to 3 bpm 64/10 bb/s, bump

STATE

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or

done to satisfaction and supervision of owner agent or

PUMPTRUCK CEMENTER Derin F. #548-345 HELPER Eddie P.

DRIVER

CHARGE TO: Woolsey Operation

Workovers

Operations

PRINTED NAME X Vonald Boyd

Correspondence

To: Allied Oil & Gas Services, LLC.

Regulatory

Drig Comp

Tests / Meters

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

WELL#

Production

DATES-22-2012

LEASE Jay Hay

TYPE OF JOB

CASING SIZE

TUBING SIZE

DRILL PIPE

PRES. MAX

MEAS. LINE

BULK TRUCK

#356-290

BULK TRUCK

CEMENT LEFT IN CSG.

TOOL

PERFS.

HOLE SIZE

OLD OR NEW Circle one)

CONTRACTOR 1) UKe #7

SERVICE POINT:

Melicino Loage Ks CALLED OUT 7.130 pr ON LOCATION 9.30 Am JOB START JOB FINISH 1:30 pm 2:30 pm LOCATION Sheron Ks, south on Tri COUNTY Berber STATE ICS Rt to Gorlen Rt. OWNER WOOLSey Oporgaing CEMENT AMOUNT ORDERED JOSY 60:40:490Ge 1353xC1955 H+109/03917 +109/06VP 6# Kolseg +. 8% FLIGO+ 44#fbseg, 1359 COMMON<u>C/955 /2 /355x@/9.25</u> POZMIX 365 × @ 8.50 GEL 35K @ 21.25 CHLORIDE DISPLACEMENT/20 6 h /s of 2% KCL weren ASC **@** @ 34,20 GUDSESI <u> Ssi 1</u> @ 2395 960 # Colsee @ 0.89 FL160 1124 @17.20 Flosesi @ <u>2,70</u> @ <u>31,25</u> 37世 981S Cpro @ 16.25 @ HANDLING 27050 607,50 @ 2.25 MILEAGE 2701.11125 742,50 TOTAL 9291,55 Pipeon bottom & breck circulation, mix SERVICE DEPTH OF JOB <u>503</u>3 PUMP TRUCK CHARGE 2695.00 EXTRA FOOTAGE bals, bump @ 700 MILEAGE Plus CL120 bbis 800-1500 ps:, flore did bold MANIFOLD Herdrenty1 @ 200,00 Light Venicle @ 4,00 TOTAL 3/70,00 PLUG & FLOAT EQUIPMENT -AFU Flood Shoe 349.00 - Letch Down Dlug 27700 4-Torbolizers @ 80,00 32- Deaproisting Scystome 76.00 2432,00 contractor to do work as is listed. The above work was TOTAL 4178.00 contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side. SALES TAX (If Any) _ 16,639,55 TOTAL CHARGES ____ DISCOUNT _ IF PAID IN 30 DAYS

SIGNATURE X Donall Bayl Thank You!!! Ne+ \$13,311,64

ZIP.



Woolsey Operating Company, LLC Scale 1:240 (5"=100') Imperial Measured Depth Log

Well Name: Jahay #5

Location: NW NE SE SW

License Number: API: 15-007-23872-00-00 Region: Barber County, Kansas

Spud Date: May 15, 2012 Drilling Completed: May 21, 2012

Surface Coordinates: 1025' FSL, 2190' FWL Section 31-Twp 33 South - Rge 10 West

Kochia Pool

Bottom Hole Vertical Hole

Coordinates:

Ground Elevation (ft): 1453 K.B. Elevation (ft): 1466 Logged Interval (ft): 4000 To: 5145 Total Depth (ft): 5145

Formation: McLish Shale

Type of Drilling Fluid: Chemical Mud, Displace at 3275'

Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Woolsey Operating Company,LLC

Address: 125 N. Market, Suite 1000

Wichita, KS 67202

GEOLOGIST

Name: W. Scott Alberg

Company: Alberg Petroleum, LLC Address: 609 Meadowlark Lane

Pratt, Kansas 67124

| FORMATION TOPS |
|----------------|
|----------------|

LOG TOPS

| HUSHPUCKNEY SHALE | 4382(-2916) | 4388(-2922) |
|-------------------|---------------------------|--------------------------|
| B/KC | 4437(-2971) | 4444(-2978) |
| PAWNEE | 4532(-3066) | 4534(-3068) |
| CHEROKEE GROUP | 4579(-3113 [°]) | 4585(- 3119) |
| MISSISSIPPIAN | 4606(-3140) | 4611(-3145) |
| KINDERHOOK SHALE | 4825(-3359) | 4832(-3366) |
| WOODFORD SHALE | 4907(-3441) | 4911(-3445) |
| VIOLA | 4953(-3497) | 4958(-3502) |
| SIMPSON GROUP | 5044(-3578) | 5047(-3581) |
| SIMPSON SAND | 5064(-3598) | 5067(-3601) |
| MCLISH SHALE | 5101(-3635) | 5106(-3640) |
| RTD | 5145(-3679) | , , |
| LTD | , , | 5150(-3684) |

SAMPLE TOPS

COMMENTS

Surface Casing: Set 5 joints 10 3/4" at 217' with 240 sxs Class A, 2% gel, 3% cc, plug down at 3:15 am on

May 16, 2012. Cement did Circulate. Production Casing: Ran 5 1/2" Casing

Deviation Surveys: 1/2 - 220', 1/2 - 449', 1/4 - 985', 1/2 - 1519', 1/2 - 1990. 1/4 - 2552', 1/4 - 2993', 1/2 - 3495, 3/4

3995', 1 1/4 -4405', 3/4. 4531', 1/4 - 4815', 1/2 -5145'.

Contractor Bit Record:

1- 14 3/4" out at 220'.

2- 7 7/8" out at 4404'(PDC)

3 - 7 7/8" out at 5145'

Gas Detector: Woolsey Operating Company, Trailer #1

Mud System: Mud Co, Brad Bortz, Engineer

DSTs: none

Logged by Superior Well Services.

LTD - 5150'.

DSTs

No DST's Ran

CREWS

Duke Drilling
Tool Pusher - Galen Roach
Drillers - Shane Meitler
Charles Stout
Craig Mertens













