

ORIGINAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
October 2008
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 9313
Name: James D. Lorenz
Address 1: 543A 22000 Road
Address 2: _____
City: Parsons State: KS Zip: 67335 + 8515
Contact Person: James D. Lorenz
Phone: (620) 328-4433
CONTRACTOR: License # 33374
Name: L & S Well Service, LLC
Wellsite Geologist: N/A
Purchaser: N/A Used on lease

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW
 Gas ENHR SIGW
 CM (Coal Bed Methane) Temp. Abd.
 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. Conv. to SWD
 Plug Back: _____ Plug Back Total Depth _____
 Commingled Docket No.: _____
 Dual Completion Docket No.: _____
 Other (SWD or Enhr.?) Docket No.: _____
12/08/08 12/10/08 12/17/09
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 099245370000
Spot Description: _____
SW NE SW SW Sec. 34 Twp. 31 S. R. 18 East West
675 Feet from North / South Line of Section
4320 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Labette
Lease Name: McCarty (Sr.) Well #: 1
Field Name: Dartnell
Producing Formation: _____
Elevation: Ground: _____ Kelly Bushing: _____
Total Depth: 1037' 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: TOP
feet depth to: 1035 w/ 155 ^{sq cmt.} Alt 2 - Dlg - 8/4/09

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: _____ ppm Fluid volume: _____ 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: OWNER Date: 4/3/09
Subscribed and sworn to before me this 3 day of April,
20 09.
Notary Public: Terry McMunn
Date Commission Expires: 4-15-12

TERRY MCMUNN
Notary Public - State of Kansas
My Appt. Expires 4-15-12 [Signature]

KCC Office Use ONLY
 Letter of Confidentiality Received
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
KANSAS CORPORATION COMMISSION

JUL 16 2009
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Operator Name: James D. Lorenz Lease Name: McCarty (Sr.) Well #: 1
 Sec. 34 Twp. 31 S. R. 18 East West County: Labette

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 (Attach Additional Sheets)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Log Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Electric Log Run (Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

List All E. Logs Run:
 Density - Neutron
 Dual Induction
 GR Neutron Completion

CASING RECORD <input checked="" type="checkbox"/> New <input 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
	6 3/4	4 1/2	9.5	135	O.W.C		

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	1002 - 1010	ACID 300 GAL EN	

TUBING RECORD:	Size: <u>2 3/8</u>	Set At: <u>1020</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.	Producing Method: <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. <u>1/4</u>	Gas Mcf	Water Bbls. <u>150</u>	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Solc <input checked="" type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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James D. Lorenz KCC Lic. #9313
 543A 22000 ROAD
 CHERRYVALE, KANSAS 67335-8515
 620-328-4433 OFFICE

TICKET NUMBER _____
 LOCATION _____
 FOREMAN _____

CEMENT TREATMENT REPORT

DATE 12-11-07	CUSTOMER#	WELL NAME MCCARTY	
SECTION 34	TOWNSHIP 31	RANGE 18	COUNTY LABETTE
CUSTOMER			
MAILING ADDRESS 543A 22000 ROAD			
CITY CHERRYVALE			
STATE KANSAS		ZIP CODE 67335	
TIME ARRIVED ON LOCATION			

HOLE	PIPE	ANNUAL VOLUME IN LINEAR FT./BL.	
6 3/4"	4 1/2"	40.5	
6 1/4"	4 1/2"	54.5	
6 1/4"	2 1/2"	33.5	
5 1/4"	2 1/2"	53.5	
5 1/4"	2"	47	
TUBING-LINEAR FT./BL.			
4 1/2"	9.5 lb.	61.7	
4 1/2"	10.5 lb.	63.1	
4 1/2"	11.6 lb.	64.5	
2 1/2"		170	
2"		250	

WELL DATA	
HOLE SIZE	6 3/4"
TOTAL DEPTH	10 35'
CASING SIZE	4 1/2"
CASING DEPTH	10 35'
OPEN HOLE	
PACKER DEPTH	
WIRE LINE	READING BEFORE
WIRE LINE	READING AFTER
TREATMENT VIA	

TYPE OF TREATMENT

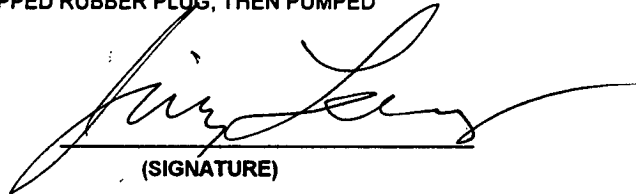
<input type="checkbox"/> SURFACE PIPE
<input checked="" type="checkbox"/> PRODUCTION CASING
<input type="checkbox"/> SQUEEZE CEMENT
<input type="checkbox"/> PLUG AND ABANDON
<input type="checkbox"/> PLUG BACK
<input type="checkbox"/> MISP. PUMP
<input type="checkbox"/> WASH DOWN
<input type="checkbox"/> OTHER

INSTRUCTIONS PRIOR TO JOB _____

AUTHORIZATION TO PROCEED _____ TITLE _____ DATE _____

HOOKED ONTO 4 1/2" CASING. ESTABLISHED CIRCULATION WITH 20 BARRELS OF WATER, RAN 6 Sx GEL, 1 Sx COTTONSEED HULLS, 1 Sx METASILICATE AHEAD, THEN BLENDED 19 1/2 SACKS OF OWC CEMENT, THEN DROPPED RUBBER PLUG, THEN PUMPED 17.5 BARRELS OF WATER.

- PLUG ON BOTTOM
- SHUT IN PRESSURE
- LOST CIRCULATION
- GOOD CEMENT RETURNS
- TOPPED OFF WELL WITH _____ SACKS


 (SIGNATURE)

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L S Well Service, LLC #33374
543A 22000 Road
Cherryvale, Kansas 67335
620-328-4433

Drill Log
Rig #7
James D. Lorenz

McCarty #1
SW NE SW SW, S34 T31 R18
Labette Co, KS
API#15-099-24537-0000

155-168' SHALE
168-208' LIME W/SHALE
208-213' SHALE
213-215' DARK SHALE
215-235' LIME
235-250' SHALE
250-262' LIME
262-264' SHALE
264-266' BLACK SHALE
266-268' SHALE
268-279' LIME
279-290' SHALE
290-340' SAND & LAMINATED SANDSTONE
340-397' SHALE
397-420' PAWNEE LIMESTONE
420-422' DARK GRAY SHALE
422-425' LEXINGTON SHALE
425-485' SHALE; SANDY IN PART
485-513' OSWEGO LIMESTONE
513-517' SHALE
517-520' SUMMIT SHALE
520-521' SHALE
521-545' LIMESTONE
545-548' SHALE
548-551' BLACK SHALE (MULKY)
551-552' COAL
552-553' SHALE
553-560' LIMESTONE
560-562' SHALE
562-564' LIME
564-614' SHALE
614-615' ARDMORE LIMESTONE
615-616' SHALE
616-618' CROWEBURG SHALE
618-693' SHALE W/LIME PARTINGS
693-696' LAMINATED SAND
696-719' SHALE
719-721' BLACK SHALE
721-722' COAL
722-746' SHALE/SANDY IN PART
746-756' GRAYISH BLACK SHALE W/TRACE OF COAL AT BASE
756-763' SHALE W/LIME STREAKS
763-766' DARK SHALE
766-767.5' COAL
767.5-858' DARK SHALE W/LIME STREAKS
858-876' MED. GRAY SHALE
876-956' MED. DARK GRAY SHALE
956-971' MISSISSIPPI TOP
971-1037' MISSISSIPPI LIME

12/8/08 Drilled 11" hole and set 20' of
8 5/8" surface casing and set with
6 sacks of Portland cement

12/9/08 Started drilling 6 3/4" hole

12/10/08 Finished drilling to T.D. 1037'

Did we dig pit? Yes
Did we kill well? No
Did we load hole with water? Yes

Gas Tests

315' - Very slight blow - not measurable
435' - Lexington test - G.C.S.
525' - Summit test - 5" on 1/2" = 14 mcf
556' - Mulky test - 10" on 1/2" = 20 mcf
676' - 12" on 1/2" = 22 mcf
766' - 17" on 1/2" = 26 mcf
796' - 38" on 1/2" = 39 mcf
976' - 38" on 1/2" = 39 mcf

TRACE OF COAL OBSERVED 646-676'

T.D. 1037'

STRONG OIL SHOW AT 1003-1007'

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