

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**

9/20/08

Form ACO-1  
September 1999  
Form Must Be Typed

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Operator: License # 33953  
Name: Raven Resources  
Address: 13220 N MacArthur  
City/State/Zip: Oklahoma City, OK 73142  
Purchaser: \_\_\_\_\_  
Operator Contact Person: David E. Rice  
Phone: (620) 624-0156  
Contractor: Name: Advanced Drilling Technologies, LLC  
License: 33532

Wellsite Geologist: \_\_\_\_\_  
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. \_\_\_\_\_

6/20/07    6/21/07    8/22/07  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 199-20338-0000  
County: Wallace  
NE NE Sec. 23 Twp. 12 S. R. 42  East  West  
660 feet from S / (N) (circle one) Line of Section  
660 feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) (NE) SE NW SW  
Lease Name: Swartz Etal Well #: 1-23  
Field Name: Wildcat

Producing Formation: Niobrara  
Elevation: Ground: 3842' Kelly Bushing: 3854'  
Total Depth: 1120' Plug Back Total Depth: 1080'  
Amount of Surface Pipe Set and Cemented at 238' 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** API 199-20338-0000  
(Data must be collected from the Reserve Pit)  
Chloride content 7000 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: David E Rice  
Title: Agent for Raven Date: 10-2-07  
Subscribed and sworn to before me this 2nd day of October

~~XX~~ 2007  
Notary Public: Becki Andrews  
Date Commission Expires: 4-22-2009

NOTARY PUBLIC - STATE OF KANSAS  
BECKI ANDREWS  
My Commission Expires 4-22-2009

**KCC Office Use ONLY**  
 Letter of Confidentially Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
**RECEIVED**  
KANSAS CORPORATION COMMISSION  
**OCT 04 2007**

CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Raven Resources Lease Name: Swartz Etal Well #: 1-23  
 Sec. 23 Twp. 12 S. R. 42  East  West County: Wallace

**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)

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

List All E. Logs Run:

Spectral Density Dual Spaced Neutron Log  
 Array Compensated Resistivity Log  
 Dual Spaced Cement Bond Log

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
Surface	9-1/2"	7"	17#	238'	Class H	60	
Production	6-1/8"	4-1/2"	10.5#	1116.43'	Class A	60	2% Calcium Chl

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	896'-931', 951'-955' and 960'-966'	500 gals 7.5% HCL Acid	
		49,960 gals foam frac, 100,060# 16/30 sanc	

TUBING RECORD	Size <u>2-3/8"</u>	Set At <u>897.63'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Enhr. Waiting on pipeline Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas  Vented  Sold  Used on Lease (If vented, Sumit ACO-18.)

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify)

Production Interval

SCHAAL DRILLING, CO.  
PO BOX 416  
BURLINGTON, CO. 80807  
719-346-8032  
FIELD REPORT  
SURFACE CASING, DRILLING AND CEMENTING

CONFIDENTIAL  
SEP 20 2007  
KCC

DRILLING DATE 6-20-07

WELL NAME & LEASE # Swartz Etal 1-23

MOVE IN, RIG UP, DIG PITS ETC. DATE 6-19-07 TIME 2:00 AM PM

SPUD TIME 8:45 AM PM SHALE DEPTH 35 TIME 9:00 AM PM

HOLE DIA. 9 1/2 FROM 0 TO 243 TD TIME 10:15 AM PM

CIRCULATE, T.O.O.H., SET 238.25 FT CASING 251.25 KB FT DEPTH

6 JOINTS 7 0D #/FT 14 15.5 17 20 23

PUMP 60 SAC CEMENT 390 GAL.DISP. CIRC. 3 BBL TO PIT

PLUG DOWN 11:30 AM PM DATE 6-20-07

CEMENT LEFT IN CSG. 20 FT TYPE: PORTLAND CEMENT I/II ASTM C 150  
CENTRALIZER 1 CEMENT COST \$ 898.74

ELEVATION 3842  
+12KB 3854

PIPE TALLY

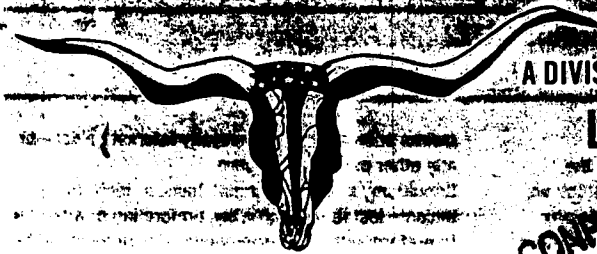
1. 36.90
2. 40.55
3. 40.80
4. 40.75
5. 38.55
6. 40.70
- 7.
- 8.
- 9.
- 10.
- 11.
- 12.
- 13.

TOTAL 238.25

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KANSAS CORPORATION COMMISSION

OCT 04 2007

CONSERVATION DIVISION  
WICHITA, KS



A DIVISION OF ADVANCED DRILLING TECHNOLOGIES, LLC.

FIELD SERVICE TICKET AND INVOICE

**LONGHORN CEMENTING CO.**

P.O. BOX 203 YUMA, COLORADO 80759  
 970-848-0799 Fax: 970-848-0798

CONFIDENTIAL  
 970-700

DATE 6-21-07 TICKET NO. 1225

DATE OF JOB	DISTRICT	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	FINJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.	
CUSTOMER <u>Raven Resources</u>		LEASE <u>SWARTZ LES 17-23</u>	WELL NO.					
ADDRESS	CITY	STATE	COUNTY	STATE				
AUTHORIZED BY	SERVICE CREW <u>MIKE B. ad</u>		EQUIPMENT <u>UNIT #111</u>					
TYPE JOB: <u>Completion</u>	DEPTH	FT.	CEMENT DATA: BULK <input type="checkbox"/>	SAND DATA: SACKS <input type="checkbox"/>	TRUCK CALLED			DATE AM TIME
			SACKS	BRAND	TYPE	% GEL	ADMIXES	ARRIVED AT JOB
SIZE HOLE: <u>6 1/8</u>	DEPTH	FT.	<u>60</u>	<u>2</u>	<u>1-11</u>			START OPERATION
SIZE & WT. CASTING	DEPTH	FT.						FINISH OPERATION
SIZE & WT. D PIPE OR TUBING	DEPTH	FT.						RELEASED
TOP PLUGS	TYPE	WEIGHT OF SLURRY: <u>15.7</u> LBS. / GAL		LBS. / GAL.		MILES FROM STATION TO WELL		
		VOLUME OF SLURRY <u>1.21</u> cu ft						
<u>6377035</u>	MAX DEPTH	FT.	MAX PRESSURE	P.S.I.				

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).  
 The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only these terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without written consent or an officer of Advanced Drilling Technologies, LLC.

SIGNED: \_\_\_\_\_  
 (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM / PRICE REF NUMBER	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
001-2	Depth charge - Cement - Mileage				4000
	Asphalt Cement				
300-2	4 1/2 Acusol Fin. 15 line	3			267
300-4	4 1/2 Colodan 8 1/2 10 1/2 plug	1			226
300-6	4 1/2 Conatrol 2015	9			256
300-8	4 1/2 Serrachess	6			208
300-12	7 Conatrol 201	1			56
400-2	Calcium	50			50
					5239
2030	fresh water - 10.1				
2035	carbon - 13.2				
2045	Disinfection - 17.1				
2100	Bumping @ 2000				

SUB TOTAL

SERVICE & EQUIPMENT	% TAX ON RECEIVED
MATERIALS	% TAX ON CORPORATION COMMISSION

TOTAL  
 OCT 04 2007

ACID DATA:			
GALLONS	%	ADDITIVES	
HCL			
HCL			

SERVICE REPRESENTATIVE: [Signature]  
 THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]  
 FIELD SERVICE ORDER NO. \_\_\_\_\_ (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

CONSERVATION DIVISION



9/20/08

September 20, 2007

Kansas Corporation Commission  
Oil & Gas Conservation Division  
130 S. Main, Room 2078  
Wichita, KS 67202

RE: Raven Resources  
Swartz Etal #1-23  
Sec 23-12-42W  
Wallace Co., KS  
API #15-199-20338-0000

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OCT 03 2007

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SEP 20 2007

KCC

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To Whom It May Concern:

Enclosed are the Form ACO-1 Completion Report and cementing tickets for the above-mentioned well.

Please hold all information contained in this well confidential for a period of at least one year.

If you have any further questions, please feel free to give me a call.

Sincerely,

*David Rice*

David Rice, Agent  
Raven Resources

DR/ba

cc: Raven Resources

Attachments

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KANSAS CORPORATION COMMISSION

OCT 04 2007

CONSERVATION DIVISION  
WICHITA, KS  
Fax (620) 624-2845