

RELEASED

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

FROM
CONFIDENTIAL

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

CONFIDENTIAL

ORIGINAL

Operator: License # 32628
Name: Quantum Operating Company
Address: PO Box 3029
City/State/Zip: Denver, CO 80201-3029
Purchaser: _____
Operator Contact Person: David Rice
Phone: (620) 624-0156
Contractor: Name: Murfin Drilling Co., Inc.
License: 30606
Wellsite Geologist: _____

API No. 15 - 187-210100000
County: Stanton
_____ N/2 SE Sec. 24 Twp. 30 S. R. 42 East West
1650 feet from (S) / N (circle one) Line of Section
1320 feet from (E) / W (circle one) Line of Section

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: Sullivan Well #: 2-24
Field Name: Sparks NE

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. _____

Producing Formation: Morrow
Elevation: Ground: 3452 Kelly Bushing: 3468
Total Depth: 5680 Plug Back Total Depth: 5653
Amount of Surface Pipe Set and Cemented at 1530 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.

06-26-03 07-06-03 08-21-03
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

Drilling Fluid Management Plan *See 11*
(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

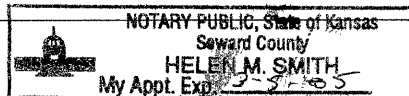
Title: Agent Date: 10-15-03

Subscribed and sworn to before me this 10th day of October

xx 2003

Notary Public: [Signature]

Date Commission Expires: _____



KCC Office Use ONLY

Letter of Confidentiality Attached

If Denied, Yes Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

X

Operator Name: Quantum Operating Company Lease Name: Sullivan Well #: 2-24
 Sec. 24 Twp. 30 S. R. 42 East West County: Stanton

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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: Dual Induction Log Compensated Neutron/Density Micro Log	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Winfield</td> <td>2360</td> <td></td> </tr> <tr> <td>Heebner</td> <td>3607</td> <td></td> </tr> <tr> <td>Lansing</td> <td>3733</td> <td></td> </tr> <tr> <td>Morrow</td> <td>4918</td> <td></td> </tr> <tr> <td>St. Louis</td> <td>5513</td> <td></td> </tr> </table>	Name	Top	Datum	Winfield	2360		Heebner	3607		Lansing	3733		Morrow	4918		St. Louis	5513	
Name	Top	Datum																	
Winfield	2360																		
Heebner	3607																		
Lansing	3733																		
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St. Louis	5513																		

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	12-1/4"	8-5/8"	24#	1530'	"A" Con	360	3%cc, 1/4# celloflak
					Premium	130	2% cc, 1/4# celloflak
Production	7-7/8"	4-1/2"	10.5	5684'	AA2 Premiur	260	10% calset, 10%

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose: <input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
	3512'	ACON	250	10% calset, 10% salt, 7-1/2# gilsonite, .6% FLA-322 1/4# celloflake, 2% cc (DV Tool)

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
4	5542-5547'	CIBP at 5530'	
4	5156-5169' 5192-5196'	Frac with 500 gal 15% HCL NE FE acid 31,000# 20/40 sand, 333,000 standard cubic feet N2 and 241 Bbls gelled water	

TUBING RECORD		Size 2-3/8"	Set At 5122	Packer At 5122	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. 09-24-03			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. 0	Gas Mcf 142	Water Bbls. 0	Gas-Oil Ratio n/a	Gravity

Disposition of Gas Vented Sold Used on Lease *(If vented, Sumit ACO-18.)*

METHOD OF COMPLETION

Production Interval Open Hole Perf. Dually Comp. Commingled Other (Specify) _____



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TREATMENT REPORT

Customer ID CONFIDENTIAL	Date 6-27-03
Customer QUANTUM Corp	Lease No.
Lease SULLIVAN	Well # 2-24

Field Order # 6563	Station LIBERAL	Casing 8 5/8	Depth 1515	County STANTON	State KO
Type Job 8 5/8 Surface			Formation	Legal Description 24-300-42W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size 8 5/8	Tubing Size	Shots/Ft		Acid- 3600 SI A-CON		RATE	PRESS RELEASED
Depth 1515	Depth	From	To	Pre-Pad 4 3/8 CC 1/4"	Max		FROM
Volume 93.5	Volume	From	To	Pad CELLULose 6/15"	Min		CONFIDENTIAL
Max Press 1500	Max Press	From	To	Free 130 SI PREM 4 3/8 CC	Avg		15 Min.
Well Connection P.C.	Annulus Vol.	From	To	1/4" cellulose 6 14.8"	HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush WATER	Gas Volume		Total Load

Customer Representative PAT LES	Station Manager DICK MCCRIS	Treater Shawn Frederich
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Service Units	108	28	58	44	71	72			
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1500					ON LOCATION / RIG Drilling
1510					SPOT EQUIPMENT
1530					PRE-JOB SAFETY MEETING
1535					RIG UP P.T.
1630	WENT	P.O. in + C.C. DP	2115		THROUGH DRILLING - C.C. / PULL D.P.
2130					D.P. OUT OF HOLES / RIG UP CASERS
2150					START IN WITH CASING / F.E.
2210	2345				CASING ON BOTTOM / Hook up P.C.
2200	0010				BREAK CIR W/ RIG
0100					Through C.C. / Hook lines To P.T.
0102	100		189	5	Pump 360 SI A-CON P 11.5"
0134	100		31	5	Pump 130 SI PREM P 14.8"
0139					SHUT DOWN / DROP PLUG
0140	0		46.5	6	Pump Disp
0208	350		-	6	CMT TO PIT - 25 BBLs to PIT ✓
0208	400		-	2	SLOW RATE
0220	900			2	LAND PLUG
0221					RELEASE FLOAT --- HELD
0300					JOB Complete



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TREATMENT REPORT

Customer ID		Date	
Customer QUANTUM		7-7-03	
Lease SULLIVAN		Lease No.	Well #
Field Order # 6566		Station LIBERAL	2-21
Casing 4 1/2	Depth 5684	County STANTON	State KS
Type Job 4 1/2 DU L.S. (new well)		Formation	Legal Description 24-305-42W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 4 1/2	Tubing Size	Shots/Ft		Acid 2 1/2% AA2		RATE	PRESS	ISIP
Depth 5684	Depth	From	To	Pre-Pad 250S. A10W	Max	RELEASED		15 Min.
Volume 70	Volume	From	To	Pad	Min	FROM		40 Min.
Max Press 1.40	Max Press	From	To	Frac	Avg	CONFIDENTIAL		15 Min.
Well Connection P.C.	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush WATER/MUD	Gas Volume			Total Load

Customer Representative PAT LEE	Station Manager DICK MORRIS	Treater Shawn Fitch
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1830					ON LOCATION/RIG PILING D.P
1835					PRE JOB SAFETY MEETING
1846					RIG UP P.T.
1930					D.P. OUT OF HOLE / RIG B.P
2130					BOP RIGGED DOWN / HOOK UP CASINGS
2200					STAKE IN W CASING - F.S.
0015					BREAK C/C
0100					THROUGH C/C / CONT W-CASING
0200					BREAK C/C
0245					THROUGH C/C / CONT W-CASING
0345					MAINT ON BOTTOM / HOOK UP P.C.
0420					BREAK C/C
0530					THROUGH P.C. / HOOK UP TO P.T.
					1" STAGE
0545	250		10	3.5	Pump 10 BBL WATER
0550	225		12	3.5	Pump 12 BBL / THROUGH AND PLUG
0555	200		10	3.5	Pump 10 BBL WATER
0603	175		69	4	Pump 200 BBL AA2 @ 15"
0627					SHUT DOWN / Drop Plug
0628					WASH LINES TO P.T.
0632			90	5	Pump DISP 40 WATER / 50 MUD

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • Phone (620) 672-1201 • Fax (620) 672-5383

White - Accounting • Canary - Customer • Pink - Field Office

Taylor Printing, Inc.

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ORIGINAL

TREATMENT REPORT



Customer ID	CONFIDENTIAL	Date	7-7/8-03	
Customer	QUANTUM	Lease No.		Well # 2.24
Lease	SULLIVAN	County	SIBBOL	State KS
Field Order #	60566	Station	LITERAL	Casing
Type Job	4 1/2 DVLS (new well)	Depth	5681	Formation
		Legal Description	24-323-42W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
Depth	Depth	From	To	Pre Pad	Max			5 Min.
Volume	Volume	From	To	Pad	Min			15 Min.
Max Press	Max Press	From	To	Frac	Avg			
Well Connection	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume			Total Load

Customer Representative: _____ Station Manager: _____ Treater: _____

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
					JOB LOG CONTINUED
0647	500			2	SLOW RATE
0653	1200			2	LAND PLUG
0654					RELEASE FLOAT -- HELD
0705					DRAP SLICE TOOL CUISER
0726	700				OPEN STABILIZER TOOL
0730					BRING C.O. W/ RIG
1330					THROW LIP / HOLD 1 min on IT.
1335			8	2	PLUG ROT / TRUCK HUB W/ JSC. A-PIN
					2ND STABLS
1347	150		18		Pump JSC 300 A-COM PLUG
1407					SHUT DOWN / INJECT PLUG
1409					WASH LIP TO PLUG
1414	0		56	5	Pump Disp
1427	300			2	SLOW RATE
1432	2000			2	LAND PLUG / CLASS TOOL
1433					RELEASE PEST
1530					JOB COMPLETE

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