

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

Form ACO-1
September 1999
Form Must Be Typed

Operator: License # 31796
Name: Quest Energy Service, Inc.
Address: P.O. Box 100
City/State/Zip: Benedict, KS 66714
Purchaser: Quest Energy Service, Inc.
Operator Contact Person: Dick Cornell
Phone: (620) 698-2250
Contractor: Name: James D. Lorenz
License: 9313
Wellsite Geologist: Mike Ebers

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/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. _____
7-23-03 7-24-03 8-4-03
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 133-25983-0000
County: Neosho
SW/4 NE/4 SW/4 Sec. 35 Twp. 29 S. R. 17 ☒ East ☐ West
1560 feet from S / N (circle one) Line of Section
3500 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW SW
Lease Name: Jim Holtzman Well #: 35-1

Field Name: Cherokee Basin CBM

Producing Formation: Summit/Mulky Shales

Elevation: Ground: 925 Kelly Bushing: _____
Total Depth: 1114 Plug Back Total Depth: 1105
Amount of Surface Pipe Set and Cemented at 25 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☒ No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 1105
feet depth to Surface w/ 195 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ bbls
Dewatering method used: Air Drilled

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 slide 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: Compliance Officer Date: 10/16/03
Subscribed and sworn to before me this 16 day of October
XX 2003
Notary Public: Pamela G. Graves
Date Commission Expires: 6-04-05

PAMELA G. GRAVES
Notary Public - State of Kansas
My Appt. Expires 6/4/05

KCC Office Use ONLY

☒ Letter of Confidentiality Attached
If Denied, Yes ☐ Date: _____
☒ Wireline Log Received
☒ Geologist Report Received
☐ UIC Distribution

Operator Name: Quest Energy Service, Inc. Lease Name: Jim Holtzman Well #: 35-1
 Sec. 35 Twp. 29 S. R. 17 ☒ East ☐ West County: Neosho

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) List All E. Logs Run: <u>DIL/CD4/CNL/ Temp</u> <u>Cased Hole GR/N</u>	☒ Log Formation (Top), Depth and Datum ☒ Sample <table border="1" style="width:100%"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Datum</th> </tr> </thead> <tbody> <tr> <td>Altamont Lime</td> <td>378</td> <td>+547</td> </tr> <tr> <td>Pawnee Lime</td> <td>511</td> <td>+414</td> </tr> <tr> <td>Oswego Lime</td> <td>584</td> <td>+341</td> </tr> <tr> <td>Bartlesville</td> <td>806</td> <td>+119</td> </tr> <tr> <td>Riverton Coal</td> <td>1038</td> <td>-113</td> </tr> <tr> <td>Mississippi</td> <td>1054</td> <td>-129</td> </tr> </tbody> </table>	Name	Top	Datum	Altamont Lime	378	+547	Pawnee Lime	511	+414	Oswego Lime	584	+341	Bartlesville	806	+119	Riverton Coal	1038	-113	Mississippi	1054	-129
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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
Surface	11.25	8.625	24.75	25'	"A"	5	None
Production	6.75	4.50	10.50	1105	"A"	195	4% Gell, 1% Cal
							chl. OWC

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
3	Summit 606'-612' 19 shots	Fracted, 110sx 20/40 sand	
3	Mulky 621'-626' 16 shots	50 sx 12/20 sand, 575 Bbls.	
		2% KCL water w/10 lb. gell.	

TUBING RECORD		Size	Set At	Packer At	Liner Run ☐ Yes ☐ No
Date of First, Resumed Production, SWD or Enh.		Producing Method			
9-1-03		☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	-0-	60	90		

Disposition of Gas METHOD OF COMPLETION Production Interval

☐ Ventd ☒ Sold ☐ Used on Lease ☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled
 (If vented, Submit ACO-18) ☐ Other (Specify)

James D. Lorenz
543-A 22000 Rd.
Cherryvale, KS 67335
620-328-4433

DRILLER LOG
QUEST ENERGY

RECEIVED

OCT 20 2003

JIM HOLTZMAN #35-1
API#15-133-25983-0000
SEC. 35, T29, R17E
NEOSHO CO, KS

KCC WICHITA

0-5	DIRT
5-95'	SHALE
95-100	LIME
100-174	SHALE (WATER)
174-179	BLACK SHALE
179-185	SHALE
185-218	LIME
218-226	BLACK SHALE
226-290	LIME
290-293	SHALE
293-298	BLACK SHALE
298-327	SHALE
327-329	LIME
329-338	SANDY SHALE
338-340	BLACK SHALE
340-353	LIME
353-378	SANDY SHALE
378-385	LIME
385-451	SANDY SHALE
451-506	SAND (FAINT ODOR)
506-541	LIME
541-544	BLACK SHALE
544-551	SHALE
551-557	SAND
557-560	SAND/LIME
560-562	SHALE/LIME
562-582	SHALE
582-605	LIME
605-607	LIME/SHALE
607-610	BLACK SHALE
610-612	SHALE/LIME
612-622	LIME
622-623	SHALE
623-624	BLACK SHALE
624-625	COAL
625-627	BLACK SHALE/GRAY SHALE
627-628	LIME
628-632	SAND
632-684	SANDY SHALE
684-686	COAL
686-703	SHALE
703-705	LIME
705-707	BLACK SHALE
707-708	COAL
708-710	BLACK SHALE
710-717	SANDY SHALE
717-719	LIME

7-23-03 Drilled a 11 1/4" hole and set 25'
of 8 5/8" surface pipe and set with 5 sx.
of Portland cement.

7-24-03 Started drilling 6 3/4" hole

7-24-03 Finished drilling to T.D. 1114'

285' GAS TEST 2" ON 1/2" ORIFICE

461' GAS TEST 2" ON 1/2" ORIFICE

536' GAS TEST 2" ON 1/2" ORIFICE

561' GAS TEST 2" ON 1/2" ORIFICE

602' GAS TEST 3 1/2" ON 1/2" ORIFICE

612' GAS TEST 8" ON 1/2" ORIFICE

627' GAS TEST 17" ON 1/2" ORIFICE

687' GAS TEST 28" ON 1/2" ORIFICE

712' GAS TEST 25" ON 1/2" ORIFICE

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KCC WICHITA

719-742	SHALE	
742-744	COAL	
744-747	SAND	747' GAS TEST 17" ON 1/2" ORIFICE
747-797	SANDY SHALE	
797-802	BLACK SHALE	
802-804	COAL	
804-807	SAND (ODOR)	
807-811	SAND	
811-818	BLACK AND GRAY SAND	812' GAS TEST 19" ON 1/2" ORIFICE
818-821	GRAY SHALE	
821-848	SANDY SHALE	
848-850	LIME/BROWN	
850-856	SHALE	
856-888	LAMINATED GRAY SHALE/SAND	888' GAS TEST 7" ON 1/2" ORIFICE
888-889	LIME/BROWN	
889-913	GRAY TIGHT SAND	
913-923	SAND	
923-928	BLACK AND WHITE SAND	
928-929	COAL	
929-933	SANDY SHALE	
933-938	SHALE	
938-943	BLACK SHALE	
943-953	SHALE	
953-960	BLACK SHALE	
960-979	SHALE/SAND	
979-980	COAL	
980-986	BLACK SHALE	
986-987	COAL	
987-990	BLACK SHALE	988' GAS TEST 45" ON 1/2" ORIFICE
990-1028	SHALE	
1028-1029	BROWN SAND	
1029-1038	SANDY BLACK SHALE	
1038-1042	COAL	
1042-1050	BLACK SHALE	
1050-1055	MISSISSIPPI	
1055-1060	ODOR-FAINT	
1060'	NO ODOR	1063' GAS TEST 45" ON 1/2" ORIFICE 1114' GAS TEST 55" ON 1/2" ORIFICE

1114' T.D.