

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 32959
Name: DEEP ROCK EXPLORATION, INC.
Address: 111 West 12th Street
City/State/Zip: Goodland, Kansas 67735
Purchaser: STG
Operator Contact Person: Ross McGuckin
Phone: (785) 899-7060
Contractor Name: Allen Drilling Company -- Rig #5
License: 5418
Wellsite Geologist: Curtis Covey Derby, KS.

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. _____

<u>16 Nov 2002</u>	<u>26 Nov 2002</u>	<u>4 Jan 2003</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 181-20320-0000

County: Sherman
W 1/2 NE 1/4 NW Sec. 18 Twp. 9 S. R. 41 ☐ East ☒ West

330 feet from S (N) (circle one) Line of Section

2176 feet from E (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE (NW) SW

Lease Name: Parish Well #: 1

Field Name: WC

Producing Formation: Foraker

Elevation: Ground: 3858' Kelly Bushing: 3870'

Total Depth: 4810' Plug Back Total Depth: 4070'

Amount of Surface Pipe Set and Cemented at 366 Feet

Multiple Stage Cementing Collar Used? ☒ Yes ☐ No

If yes, show depth set 2131 Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

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

Chloride content 200 ppm Fluid volume 800 bbls

Dewatering method used Air Dry

Location of fluid disposal if hauled offsite: _____

Operator Name: NA

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: Curtis E. Covey

Title: Agent Date: 5-29-2003

Subscribed and sworn to before me this 29 day of May

19 2003

Notary Public: [Signature]

Date Commission Expires: August 4, 2004

KCC Office Use ONLY

NO Letter of Confidentiality Attached

☒ If Denied, Yes ☐ Date: _____

☒ Wireline Log Received

☒ Geologist Report Received

☐ UIC Distribution

Operator Name: **DEEP ROCK EXPLORATION, INC** Lease Name: **Parish** Well #: **1**
Sec. **18** Twp. **9** S. R. **41** ☐ East ☒ West County: **Sherman**

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of well logs, tests, flowing 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:

CNL / CDL; DIL; (ML - Did not run - KCCD PW)

☒ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Niobrara	1270'	+2600'
Ft. Hays	1850'	+2020'
Stone Corral	3264'	+606
Heebner Shale	4408'	-538
Lansing	4460'	-590

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	# Sacjs Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	24#	366'	Common	225	3% cc + 2% gel
Prod-Btm Stage	7-7/8"	5-1/2"	15.5#	4809'	ASC	390	.0025% of FL-10
Prod- Top Stage	7-7/8"	5-1/2"	15.5#	(2131')	Lite	275	1/4# Flo-Seal

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
4	Perf: 4,496' - 4500'; then 5 1/2" Bolt BP @ 4480'	1000 gal 15% HCl + 500 gal 7.5% HCl	
4	Perf: 4386' - 90'; then 5 1/2" Bolt BP @ 4295'	1000 gal 15% HCl + 500 gal 7/5% HCl	
4	Perf: 4196.5' - 4201.5'; then 5-1/2" Bolt BP @ 4070'	1000 gal 15% MCA + 30 Bbl 2% KCl	
4	Perf: 3978' - 81'	1500 gal 15% MCA	

TUBING RECORD		Size	Set At	Packer At	Liner Run		
			(Not set but will recomplete)			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumerd Production, SWD or Enhr.		Producing Method					
		<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		
	2*	.1*	35* (Treatment & Filtrate)	(* Swab Estimate)			

Disposition of Gas

METHOD OF COMPLETION

Production Interval

☐ Vented ☐ Sold ☒ Used on Lease
(If vented, Submit ACO-18.)

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other (Specify)